## POLYPLASTICS CO LTD

18-1 KONAN 2-CHOME MINATO-KU, Tokyo 108-8280 Japan

## Duranex: XFR 4840, 201NF

Polybutylene Terephthalate (PBT), pellets

Flame Rating     UL 94       0.75 mm, ALL     V-0       1.5 mm, ALL     V-0       3.0 mm, ALL     V-0       Flammability Classification     IEC 60695-11-10, -20       0.75 mm, ALL     V-0       0.75 mm, ALL     V-0       3.0 mm, ALL     V-0       3.0 mm, ALL     V-0       15 mm, ALL     V-0       3.0 mm, ALL     V-0       16trike Ignition (HWI)     UL 746A       0.75 mm     PLC 2       3.0 mm     PLC 2       3.0 mm     PLC 0       1.5 mm     PLC 0       1.5 mm     PLC 0       1.5 mm     PLC 0       3.0 mm     PLC 0       1.5 mm     PLC 0       3.0 mm     PLC 0       Ulph Voltage Ac Tracking Index (CTI)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms-cm     RSTM D257       Volume Resistivity     1.0E+16 ohms-cm     IEC 60093       Arc Resistance     UL 746B     UL 746B       0.75 mm     125 °C     3.0 mm       1.5	Flammability	Value	Test Method																																																																																																								
0.75 mm, ALL   V-0     1.5 mm, ALL   V-0     Flammability Classification   IEC 60695-11-10, -20     0.75 mm, ALL   V-0     1.5 mm, ALL   V-0     3.0 mm, ALL   V-0     3.0 mm, ALL   V-0     1.5 mm, ALL   V-0     3.0 mm, ALL   V-0     1.5 mm, ALL   V-0     1.5 mm, ALL   V-0     0.75 mm   UL 746A     0.75 mm   PLC 3     1.5 mm   PLC 2     3.0 mm   PLC 2     High Amp Arc Ignition (HAI)   UL 746A     0.75 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     3.0 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     UL 746A   UL 746A     Dielectric Strength   1.0 K+16 ohms-cm     High Voltage Arc Tracking Rate (HVTR)   PLC 0   UL 746A     Volume Resistivity   1.0 E+16 ohms-cm   ASTM D257     Volume Resistivity   1.0 E+16 ohms-cm   IEC 60093     Arc Resistance   PLC 5   ASTM D495		value																																																																																																									
1.5 mm, ALL   V-0     3.0 mm, ALL   V-0     0.75 mm, ALL   V-0     1.5 mm, ALL   V-0     3.0 mm, ALL   V-0     3.0 mm, ALL   V-0     3.0 mm, ALL   V-0     1.5 mm   PLC 3     1.5 mm   PLC 2     3.0 mm Arc Ignition (HAI)   UL 746A     0.75 mm   PLC 0     1.5 mm   PLC 0     1.5 mm   PLC 0     1.5 mm   PLC 0     0.75 mm   PLC 0     1.6 mp Arc Ignition (HAI)   PLC 0     0.75 mm   PLC 0     1.6 mm 2 mc Ignition (HAI)   PLC 0     1.6 mm 2 mc Ignition (HAI)   PLC 0     0.75 mm   PLC 0     1.6 mm 2 mc Ignition (HAI)   PLC 0     1.6 mm 2 mc Ignition (HAI)   PLC 0     0.75 mm   1.0 E     1.6 mm 2 mc Ignition (HAI)   PLC 0     0.75 mm   1.0 E		V O	0L 94																																																																																																								
3.0 m, ALL   V-0     Flammability Classification   IEC 60695-11-10, -20     0.75 mm, ALL   V-0     3.0 mm, ALL   V-0     3.0 mm, ALL   V-0     stand and an analysis of the standard and and and and and and and and and an																																																																																																											
Flammability Classification     IEC 60695-11-10, -20       0.75 mm, ALL     V-0       3.0 mm, ALL     V-0       3.0 mm, ALL     V-0       Ist mm, ALL     V-0       3.0 mm, ALL     V-0       Hot-wire Ignition (HWI)     UL 746A       0.75 mm     PLC 2       3.0 mm     PLC 2       3.0 mm     PLC 0       1.5 mm     PLC 0       1.5 mm     PLC 0       0.75 mm     PLC 0       1.5 mm     PLC 0       3.0 mm     PLC 0       0.75 mm     PLC 0       1.5 mm     PLC 0       0.75 mm <t< td=""><td></td><td></td><td></td></t<>																																																																																																											
0.75 mm, ALL   V-0     1.5 mm, ALL   V-0     3.0 mm, ALL   V-0     betwire ignition (HW)   U. 746A     0.75 mm   PLC 3     1.5 mm   PLC 2     3.0 mm   PLC 2     High Amp Arc Ignition (HAI)   U. 746A     0.75 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     0.75 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     0.75 mm   PLC 0     1.6 thick oftenset   PLC 0     1.6 thick oftenset   VIT 46A     Dielectric Strength   10 Ert 16 ohms-cm     Volume Resistivity   10 Ert 16 ohms-cm   IEC 60093     Volume Resistivity   10 Ert 6 ohms-cm   IEC 60093     Arc Resistance   PLC 5   ASTM D495     Netmal   125 °C   IEC 60093     110 °C   IEC 60093   IEC 60093	· · · · · · · · · · · · · · · · · · ·	V-0	IEC 60605 11 10 20																																																																																																								
15 mm, ALL   V-0     3.0 mm, ALL   V-0     3.0 mm, ALL   V-0     Velocitical   Value   Test Method     Ibc-wire lightion (HWI)   UL 746A   0.75 mm     0.75 mm   PLC 3		N/ O	IEC 00095-11-10, -20																																																																																																								
3.0 mm, ALL   V-0     Isectical   Value   Test Method     Hot-wire Ignition (HW)   UL 746A   UL 746A     0.75 mm   PLC 2   UL 746A     1.5 mm   PLC 0   UL 746A     0.75 mm   PLC 0   UL 746A     O.75 mm   PLC 0   UL 746A     Dielectric Strength   17 kV/mm   ASTM D149     High Voltage Arc Tracking Index (CTI)   PLC 0   UL 746A     Volume Resistivity   1.0E+16 ohms-cm   ASTM D257     Volume Resistivity   1.0E+16 ohms-cm   IEC 60093     Arc Resistance   PLC 5   ASTM D495     Permal   Value   Test Method     0.75 mm   125 °C   UL 746B     0.75 mm   125 °C   UL 746B     0.75 mm   110 °C   UL 746B     0.75 mm   110 °C   UL 746B     0.75 mm   110 °C   UL 746B     0.75 mm																																																																																																											
Electrical     Value     Test Method       Hot-wire Ignition (HWI)     UL 746A     UL 746A       0.75 mm     PLC 3        1.5 mm     PLC 2        3.0 mm     PLC 2        High Amp Arc Ignition (HAI)     UL 746A        0.75 mm     PLC 0        1.5 mm     PLC 0        3.0 mm     PLC 0        Comparative Tracking Index (CTI)     PLC 0     UL 746A       Dielectric Strength     17 KV/mm     ASTM D149       High Voltage Arc Tracking Rate (HVTR)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms-cm     ASTM D257       Volume Resistivity     1.0E+16 ohms-cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       0.75 mm     125 °C     3.0 mm       1.5 mn     125 °C     3.0 mm       0.75 mm     110 °C     1.5 m       0.75 mm     110 °C     1.5 mm       0.75 mm     110 °C     1.5 °C																																																																																																											
Hot-wire Ignition (HWI)     UL 746A       0.75 mm     PLC 3       1.5 mm     PLC 2       3.0 mm     PLC 2       High Amp Arc Ignition (HAI)     UL 746A       0.75 mm     PLC 0       1.5 mm     PLC 0       3.0 mm     PLC 0       3.0 mm     PLC 0       0.75 mm     PLC 0       3.0 mm     PLC 0       0.0 mm     PLC 0       0.0 mm     PLC 0       0.0 mm     PLC 0       0.0 mm     PLC 0       UC mparative Tracking Index (CTI)     PLC 0     UL 746A       Dielectric Strength     17 kV/mm     ASTM D149       High Voltage Arc Tracking Rate (HVTR)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms-cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hemal     125 °C     UL 746B       0.75 mm     125 °C     UL 746B       0.75 mm     125 °C     JU 746B       0.75 mm     110 °C     UL 746B       0.75 mm     110 °C     UL 7			Test Method																																																																																																								
0.75 mm   PLC 3     1.5 mm   PLC 2     3.0 mm   PLC 0     High Amp Arc Ignition (HAI)   UL 746A     0.75 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     Comparative Tracking Index (CTI)   PLC 0   UL 746A     Dielectric Strength   17 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 0   UL 746A     Volume Resistivity   1.0E+16 ohms cm   ASTM D257     Volume Resistivity   1.0E+16 ohms cm   IEC 60093     Arc Resistance   PLC 5   ASTM D495     Norman   125 °C   ISTM P149     0.75 mm   125 °C   UL 746B     0.75 mm   125 °C   ISTM P149     0.75 mm   110 °C   ISTM P149     0.75 mm   110 °C   IST P148     0.75 mm   110 °C   IST P148 <tr td="">   UL 7468  <t< td=""><td></td><td>value</td><td></td></t<></tr> <tr><td>1.5 mm   PLC 2     3.0 mm   PLC 2     High Amp Arc Ignition (HAI)   UL 746A     0.75 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     3.0 mm   PLC 0     0.75 mm   PLC 0     3.0 mm   PLC 0     Comparative Tracking Index (CTI)   PLC 0   UL 746A     Dielectric Strength   17 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 0   UL 746A     Volume Resistivity   1.0E+16 ohms-cm   ASTM D257     Volume Resistivity   1.0E+16 ohms-cm   IEC 60093     Arc Resistance   PLC 5   ASTM D495     hermal   125 °C   UL 746B     0.75 mm   125 °C   UL 746B     0.75 mm   110 °C   110 °C     1.5 mm   110 °C   110 °C     1.5 mm   110 °C   115 °C     3.0 mm   110 °C   115 °C     1.5 mm   110 °C   15 °C     1.5 mm   110 °C   15 °C     1.5 mm   110 °C   10 °C     1.5 mm   1</td><td></td><td></td><td></td></tr> <tr><td>3.0 mm   PLC 2     High Amp Arc Ignition (HAI)   UL 746A     0.75 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     Comparative Tracking Index (CTI)   PLC 0     Dielectric Strength   17 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 0   UL 746A     Volume Resistivity   1.0E+16 ohms-cm   ASTM D257     Volume Resistivity   1.0E+16 ohms-cm   EC 60093     Arc Resistance   PLC 5   ASTM D495     Perform   UL 746B   UL 746B     0.75 mm   125 °C   125 °C     1.5 mm   125 °C   125 °C     3.0 mm   125 °C   15 mm     0.75 mm   110 °C   110 °C     1.5 mm   110 °C   110 °C     3.0 mm   110 °C   111 °C     1.5 mm   110 °C</td><td></td><td></td><td></td></tr> <tr><td>High Amp Arc Ignition (HAI) UL 746A   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 0 UL 746A   Dielectric Strength 17 kV/mm ASTM D149   High Voltage Arc Tracking Rate (HVTR) PLC 0 UL 746A   Volume Resistivity 1.0E+16 ohms·cm ASTM D257   Volume Resistivity 1.0E+16 ohms·cm IEC 60093   Arc Resistance PLC 5 ASTM D495   hermal Value Test Method   RTI Elec UL 746B UL 746B   0.75 mm 125 °C UL 746B   0.75 mm 110 °C UL 746B   0.75 mm 125 °C UL 746B</td><td></td><td></td><td></td></tr> <tr><td>0.75 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     Comparative Tracking Index (CTI)   PLC 0   UL 746A     Dielectric Strength   17 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 0   UL 746A     Volume Resistivity   1.0E+16 ohms-cm   ASTM D257     Volume Resistivity   1.0E+16 ohms-cm   IEC 60093     Arc Resistance   PLC 5   ASTM D495     Inemal   Value   Test Method     RTI Elec   UL 746B   UL 746B     0.75 mm   125 °C   15 mm     3.0 mm   110 °C   10 °C     1.5 mm   110 °C   UL 746B     0.75 mm   110 °C   UL 746B     0.75 mm   110 °C   110 °C     1.5 mm   125 °C   15 m     1.5 mm   125 °C   15 m</td><td></td><td>1602</td><td>111 7464</td></tr> <tr><td>1.5 mm   PLC 0     3.0 mm   PLC 0     Comparative Tracking Index (CTI)   PLC 0   UL 746A     Dielectric Strength   17 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 0   UL 746A     Volume Resistivity   1.0E+16 ohms or   ASTM D257     Volume Resistivity   1.0E+16 ohms or   RTI D257     Volume Resistivity   1.0E+16 ohms or   IEC 60093     Arc Resistance   PLC 5   ASTM D495     Itemal   Value   Test Method     0.75 mm   125 °C   UL 746B     0.75 mm   125 °C   UL 746B     0.75 mm   110 °C   UL 746B     0.75 mm   110 °C   Test Method     0.75 mm   125 °C   Test Method</td><td></td><td></td><td></td></tr> <tr><td>3.0 mm     PLC 0       Comparative Tracking Index (CTI)     PLC 0     UL 746A       Dielectric Strength     17 kV/mm     ASTM D149       High Voltage Arc Tracking Rate (HVTR)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms-cm     ASTM D257       Volume Resistivity     1.0E+16 ohms-cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       0.75 mm     125 °C     UL 746B       0.75 mm     110 °C     Test Method       0.75 mm     110 °C     UL 746B       0.75 mm     125 °C     UL 746B</td><td></td><td></td><td></td></tr> <tr><td>Comparative Tracking Index (CTI)     PLC 0     UL 746A       Dielectric Strength     17 kV/mm     ASTM D149       High Voltage Arc Tracking Rate (HVTR)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms·cm     ASTM D257       Volume Resistivity     1.0E+16 ohms·cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C    </td><td></td><td></td><td></td></tr> <tr><td>Dielectric Strength     17 kV/mm     ASTM D149       High Voltage Arc Tracking Rate (HVTR)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms·cm     ASTM D257       Volume Resistivity     1.0E+16 ohms·cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C     1.0E       1.5 mm     125 °C     1.0E       3.0 mm     125 °C     1.0E       0.75 mm     110 °C     1.0E       0.75 mm     110 °C     1.10E       0.75 mm     110°C     1.10E       0.75 mm     125 °C     1.10E       0.75 mm     125 °C     1.10E       0.75 mm</td><td></td><td></td><td>111 7464</td></tr> <tr><td>High Voltage Arc Tracking Rate (HVTR)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms cm     ASTM D257       Volume Resistivity     1.0E+16 ohms cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C     UL 746B       0.75 mm     125 °C     UL 746B       0.75 mm     125 °C     UL 746B       0.75 mm     110 °C     UL 746B       0.75 mm     125 °C     UL 746B</td><td></td><td></td><td></td></tr> <tr><td>Volume Resistivity     1.0E+16 ohms·cm     ASTM D257       Volume Resistivity     1.0E+16 ohms·cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C     1.5 mm       1.5 mm     125 °C     1.5 mm       3.0 mm     125 °C     1.5 mm       0.75 mm     125 °C     1.5 mm       3.0 mm     110 °C     1.0 °C       RTI Imp     UL 746B     UL 746B       0.75 mm     110 °C     1.5 mm       1.5 mm     110 °C     1.5 mm       3.0 mm     110 °C     1.5 mm       1.5 mm     110 °C     1.5 mm       0.75 mm     125 °C     1.5 mm</td><td>¥</td><td></td><td></td></tr> <tr><td>Volume Resistivity     1.0E+16 ohms cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C    </td><td></td><td></td><td></td></tr> <tr><td>Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B       0.75 mm     125 °C       3.0 mm     125 °C       3.0 mm     125 °C       RTI Imp     UL 746B       0.75 mm     110 °C       1.5 mm     110 °C       3.0 mm     110 °C       7.5 mm     UL 746B       0.75 mm     100 °C       1.5 mm     110 °C       3.0 mm     110 °C       1.5 mm     110 °C       3.0 mm     125 °C</td><td>-</td><td></td><td></td></tr> <tr><td>hermal     Value     Test Method       RTI Elec     UL 746B       0.75 mm     125 °C       1.5 mm     125 °C       3.0 mm     125 °C       RTI Imp     UL 746B       0.75 mm     110 °C       1.5 mm     110 °C       0.75 mm     110 °C       1.5 mm     UL 746B       0.75 mm     110 °C       3.0 mm     110 °C       1.5 mm     110 °C       RTI Str     UL 746B       0.75 mm     125 °C       1.5 mm     125 °C       1.5 mm     125 °C       1.5 mm     125 °C</td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td></td></tr> <tr><td>RTI Elec UL 746B   0.75 mm 125 °C   1.5 mm 125 °C   3.0 mm 125 °C   RTI Imp UL 746B   0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   7.5 mm 125 °C   1.5 mm 125 °C   1.5 mm 125 °C</td><td></td><td></td><td></td></tr> <tr><td>0.75 mm   125 °C     1.5 mm   125 °C     3.0 mm   125 °C     RTI Imp   UL 746B     0.75 mm   110 °C     1.5 mm   110 °C     3.0 mm   110 °C     7.5 mm   110 °C     3.0 mm   110 °C     1.5 mm   110 °C     3.0 mm   110 °C     3.0 mm   110 °C     3.0 mm   125 °C     1.5 mm   125 °C     1.5 mm   125 °C</td><td></td><td>Value</td><td></td></tr> <tr><td>1.5 mm 125 °C   3.0 mm 125 °C   RTI Imp UL 746B   0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   3.0 mm 110 °C   75 mm 110 °C   10 °C 110 °C</td><td></td><td>125 °C</td><td>011102</td></tr> <tr><td>3.0 mm 125 °C   RTI Imp UL 746B   0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   RTI Str UL 746B   0.75 mm 125 °C   1.5 mm 125 °C   1.5 mm 125 °C</td><td></td><td></td><td></td></tr> <tr><td>RTI Imp UL 746B   0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   RTI Str UL 746B   0.75 mm 125 °C   1.5 mm 125 °C   1.5 mm 125 °C</td><td></td><td></td><td></td></tr> <tr><td>0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   RTI Str UL 746B   0.75 mm 125 °C   1.5 mm 125 °C</td><td></td><td></td><td>UL 746B</td></tr> <tr><td>1.5 mm 110 °C   3.0 mm 110 °C   RTI Str UL 746B   0.75 mm 125 °C   1.5 mm 125 °C</td><td></td><td>110 °C</td><td>011102</td></tr> <tr><td>3.0 mm     110 °C       RTI Str     UL 746B       0.75 mm     125 °C       1.5 mm     125 °C</td><td></td><td></td><td></td></tr> <tr><td>RTI Str     UL 746B       0.75 mm     125 °C       1.5 mm     125 °C</td><td></td><td></td><td></td></tr> <tr><td>0.75 mm 125 °C   1.5 mm 125 °C</td><td></td><td></td><td>UL 746B</td></tr> <tr><td>1.5 mm 125 °C</td><td></td><td>125 °C</td><td>021100</td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td>3.0 mm</td><td>125 °C</td><td></td></tr>		value		1.5 mm   PLC 2     3.0 mm   PLC 2     High Amp Arc Ignition (HAI)   UL 746A     0.75 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     3.0 mm   PLC 0     0.75 mm   PLC 0     3.0 mm   PLC 0     Comparative Tracking Index (CTI)   PLC 0   UL 746A     Dielectric Strength   17 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 0   UL 746A     Volume Resistivity   1.0E+16 ohms-cm   ASTM D257     Volume Resistivity   1.0E+16 ohms-cm   IEC 60093     Arc Resistance   PLC 5   ASTM D495     hermal   125 °C   UL 746B     0.75 mm   125 °C   UL 746B     0.75 mm   110 °C   110 °C     1.5 mm   110 °C   110 °C     1.5 mm   110 °C   115 °C     3.0 mm   110 °C   115 °C     1.5 mm   110 °C   15 °C     1.5 mm   110 °C   15 °C     1.5 mm   110 °C   10 °C     1.5 mm   1				3.0 mm   PLC 2     High Amp Arc Ignition (HAI)   UL 746A     0.75 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     Comparative Tracking Index (CTI)   PLC 0     Dielectric Strength   17 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 0   UL 746A     Volume Resistivity   1.0E+16 ohms-cm   ASTM D257     Volume Resistivity   1.0E+16 ohms-cm   EC 60093     Arc Resistance   PLC 5   ASTM D495     Perform   UL 746B   UL 746B     0.75 mm   125 °C   125 °C     1.5 mm   125 °C   125 °C     3.0 mm   125 °C   15 mm     0.75 mm   110 °C   110 °C     1.5 mm   110 °C   110 °C     3.0 mm   110 °C   111 °C     1.5 mm   110 °C				High Amp Arc Ignition (HAI) UL 746A   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 0 UL 746A   Dielectric Strength 17 kV/mm ASTM D149   High Voltage Arc Tracking Rate (HVTR) PLC 0 UL 746A   Volume Resistivity 1.0E+16 ohms·cm ASTM D257   Volume Resistivity 1.0E+16 ohms·cm IEC 60093   Arc Resistance PLC 5 ASTM D495   hermal Value Test Method   RTI Elec UL 746B UL 746B   0.75 mm 125 °C UL 746B   0.75 mm 110 °C UL 746B   0.75 mm 125 °C UL 746B				0.75 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     Comparative Tracking Index (CTI)   PLC 0   UL 746A     Dielectric Strength   17 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 0   UL 746A     Volume Resistivity   1.0E+16 ohms-cm   ASTM D257     Volume Resistivity   1.0E+16 ohms-cm   IEC 60093     Arc Resistance   PLC 5   ASTM D495     Inemal   Value   Test Method     RTI Elec   UL 746B   UL 746B     0.75 mm   125 °C   15 mm     3.0 mm   110 °C   10 °C     1.5 mm   110 °C   UL 746B     0.75 mm   110 °C   UL 746B     0.75 mm   110 °C   110 °C     1.5 mm   125 °C   15 m     1.5 mm   125 °C   15 m		1602	111 7464	1.5 mm   PLC 0     3.0 mm   PLC 0     Comparative Tracking Index (CTI)   PLC 0   UL 746A     Dielectric Strength   17 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 0   UL 746A     Volume Resistivity   1.0E+16 ohms or   ASTM D257     Volume Resistivity   1.0E+16 ohms or   RTI D257     Volume Resistivity   1.0E+16 ohms or   IEC 60093     Arc Resistance   PLC 5   ASTM D495     Itemal   Value   Test Method     0.75 mm   125 °C   UL 746B     0.75 mm   125 °C   UL 746B     0.75 mm   110 °C   UL 746B     0.75 mm   110 °C   Test Method     0.75 mm   125 °C   Test Method				3.0 mm     PLC 0       Comparative Tracking Index (CTI)     PLC 0     UL 746A       Dielectric Strength     17 kV/mm     ASTM D149       High Voltage Arc Tracking Rate (HVTR)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms-cm     ASTM D257       Volume Resistivity     1.0E+16 ohms-cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       0.75 mm     125 °C     UL 746B       0.75 mm     110 °C     Test Method       0.75 mm     110 °C     UL 746B       0.75 mm     125 °C     UL 746B				Comparative Tracking Index (CTI)     PLC 0     UL 746A       Dielectric Strength     17 kV/mm     ASTM D149       High Voltage Arc Tracking Rate (HVTR)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms·cm     ASTM D257       Volume Resistivity     1.0E+16 ohms·cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C				Dielectric Strength     17 kV/mm     ASTM D149       High Voltage Arc Tracking Rate (HVTR)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms·cm     ASTM D257       Volume Resistivity     1.0E+16 ohms·cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C     1.0E       1.5 mm     125 °C     1.0E       3.0 mm     125 °C     1.0E       0.75 mm     110 °C     1.0E       0.75 mm     110 °C     1.10E       0.75 mm     110°C     1.10E       0.75 mm     125 °C     1.10E       0.75 mm     125 °C     1.10E       0.75 mm			111 7464	High Voltage Arc Tracking Rate (HVTR)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms cm     ASTM D257       Volume Resistivity     1.0E+16 ohms cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C     UL 746B       0.75 mm     125 °C     UL 746B       0.75 mm     125 °C     UL 746B       0.75 mm     110 °C     UL 746B       0.75 mm     125 °C     UL 746B				Volume Resistivity     1.0E+16 ohms·cm     ASTM D257       Volume Resistivity     1.0E+16 ohms·cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C     1.5 mm       1.5 mm     125 °C     1.5 mm       3.0 mm     125 °C     1.5 mm       0.75 mm     125 °C     1.5 mm       3.0 mm     110 °C     1.0 °C       RTI Imp     UL 746B     UL 746B       0.75 mm     110 °C     1.5 mm       1.5 mm     110 °C     1.5 mm       3.0 mm     110 °C     1.5 mm       1.5 mm     110 °C     1.5 mm       0.75 mm     125 °C     1.5 mm	¥			Volume Resistivity     1.0E+16 ohms cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C				Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B       0.75 mm     125 °C       3.0 mm     125 °C       3.0 mm     125 °C       RTI Imp     UL 746B       0.75 mm     110 °C       1.5 mm     110 °C       3.0 mm     110 °C       7.5 mm     UL 746B       0.75 mm     100 °C       1.5 mm     110 °C       3.0 mm     110 °C       1.5 mm     110 °C       3.0 mm     125 °C	-			hermal     Value     Test Method       RTI Elec     UL 746B       0.75 mm     125 °C       1.5 mm     125 °C       3.0 mm     125 °C       RTI Imp     UL 746B       0.75 mm     110 °C       1.5 mm     110 °C       0.75 mm     110 °C       1.5 mm     UL 746B       0.75 mm     110 °C       3.0 mm     110 °C       1.5 mm     110 °C       RTI Str     UL 746B       0.75 mm     125 °C       1.5 mm     125 °C       1.5 mm     125 °C       1.5 mm     125 °C	· · · · · · · · · · · · · · · · · · ·			RTI Elec UL 746B   0.75 mm 125 °C   1.5 mm 125 °C   3.0 mm 125 °C   RTI Imp UL 746B   0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   7.5 mm 125 °C   1.5 mm 125 °C   1.5 mm 125 °C				0.75 mm   125 °C     1.5 mm   125 °C     3.0 mm   125 °C     RTI Imp   UL 746B     0.75 mm   110 °C     1.5 mm   110 °C     3.0 mm   110 °C     7.5 mm   110 °C     3.0 mm   110 °C     1.5 mm   110 °C     3.0 mm   110 °C     3.0 mm   110 °C     3.0 mm   125 °C     1.5 mm   125 °C     1.5 mm   125 °C		Value		1.5 mm 125 °C   3.0 mm 125 °C   RTI Imp UL 746B   0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   3.0 mm 110 °C   75 mm 110 °C   10 °C 110 °C		125 °C	011102	3.0 mm 125 °C   RTI Imp UL 746B   0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   RTI Str UL 746B   0.75 mm 125 °C   1.5 mm 125 °C   1.5 mm 125 °C				RTI Imp UL 746B   0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   RTI Str UL 746B   0.75 mm 125 °C   1.5 mm 125 °C   1.5 mm 125 °C				0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   RTI Str UL 746B   0.75 mm 125 °C   1.5 mm 125 °C			UL 746B	1.5 mm 110 °C   3.0 mm 110 °C   RTI Str UL 746B   0.75 mm 125 °C   1.5 mm 125 °C		110 °C	011102	3.0 mm     110 °C       RTI Str     UL 746B       0.75 mm     125 °C       1.5 mm     125 °C				RTI Str     UL 746B       0.75 mm     125 °C       1.5 mm     125 °C				0.75 mm 125 °C   1.5 mm 125 °C			UL 746B	1.5 mm 125 °C		125 °C	021100						3.0 mm	125 °C	
	value																																																																																																										
1.5 mm   PLC 2     3.0 mm   PLC 2     High Amp Arc Ignition (HAI)   UL 746A     0.75 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     3.0 mm   PLC 0     0.75 mm   PLC 0     3.0 mm   PLC 0     Comparative Tracking Index (CTI)   PLC 0   UL 746A     Dielectric Strength   17 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 0   UL 746A     Volume Resistivity   1.0E+16 ohms-cm   ASTM D257     Volume Resistivity   1.0E+16 ohms-cm   IEC 60093     Arc Resistance   PLC 5   ASTM D495     hermal   125 °C   UL 746B     0.75 mm   125 °C   UL 746B     0.75 mm   110 °C   110 °C     1.5 mm   110 °C   110 °C     1.5 mm   110 °C   115 °C     3.0 mm   110 °C   115 °C     1.5 mm   110 °C   15 °C     1.5 mm   110 °C   15 °C     1.5 mm   110 °C   10 °C     1.5 mm   1																																																																																																											
3.0 mm   PLC 2     High Amp Arc Ignition (HAI)   UL 746A     0.75 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     Comparative Tracking Index (CTI)   PLC 0     Dielectric Strength   17 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 0   UL 746A     Volume Resistivity   1.0E+16 ohms-cm   ASTM D257     Volume Resistivity   1.0E+16 ohms-cm   EC 60093     Arc Resistance   PLC 5   ASTM D495     Perform   UL 746B   UL 746B     0.75 mm   125 °C   125 °C     1.5 mm   125 °C   125 °C     3.0 mm   125 °C   15 mm     0.75 mm   110 °C   110 °C     1.5 mm   110 °C   110 °C     3.0 mm   110 °C   111 °C     1.5 mm   110 °C																																																																																																											
High Amp Arc Ignition (HAI) UL 746A   0.75 mm PLC 0   1.5 mm PLC 0   3.0 mm PLC 0   Comparative Tracking Index (CTI) PLC 0 UL 746A   Dielectric Strength 17 kV/mm ASTM D149   High Voltage Arc Tracking Rate (HVTR) PLC 0 UL 746A   Volume Resistivity 1.0E+16 ohms·cm ASTM D257   Volume Resistivity 1.0E+16 ohms·cm IEC 60093   Arc Resistance PLC 5 ASTM D495   hermal Value Test Method   RTI Elec UL 746B UL 746B   0.75 mm 125 °C UL 746B   0.75 mm 110 °C UL 746B   0.75 mm 125 °C UL 746B																																																																																																											
0.75 mm   PLC 0     1.5 mm   PLC 0     3.0 mm   PLC 0     Comparative Tracking Index (CTI)   PLC 0   UL 746A     Dielectric Strength   17 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 0   UL 746A     Volume Resistivity   1.0E+16 ohms-cm   ASTM D257     Volume Resistivity   1.0E+16 ohms-cm   IEC 60093     Arc Resistance   PLC 5   ASTM D495     Inemal   Value   Test Method     RTI Elec   UL 746B   UL 746B     0.75 mm   125 °C   15 mm     3.0 mm   110 °C   10 °C     1.5 mm   110 °C   UL 746B     0.75 mm   110 °C   UL 746B     0.75 mm   110 °C   110 °C     1.5 mm   125 °C   15 m     1.5 mm   125 °C   15 m		1602	111 7464																																																																																																								
1.5 mm   PLC 0     3.0 mm   PLC 0     Comparative Tracking Index (CTI)   PLC 0   UL 746A     Dielectric Strength   17 kV/mm   ASTM D149     High Voltage Arc Tracking Rate (HVTR)   PLC 0   UL 746A     Volume Resistivity   1.0E+16 ohms or   ASTM D257     Volume Resistivity   1.0E+16 ohms or   RTI D257     Volume Resistivity   1.0E+16 ohms or   IEC 60093     Arc Resistance   PLC 5   ASTM D495     Itemal   Value   Test Method     0.75 mm   125 °C   UL 746B     0.75 mm   125 °C   UL 746B     0.75 mm   110 °C   UL 746B     0.75 mm   110 °C   Test Method     0.75 mm   125 °C   Test Method																																																																																																											
3.0 mm     PLC 0       Comparative Tracking Index (CTI)     PLC 0     UL 746A       Dielectric Strength     17 kV/mm     ASTM D149       High Voltage Arc Tracking Rate (HVTR)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms-cm     ASTM D257       Volume Resistivity     1.0E+16 ohms-cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       0.75 mm     125 °C     UL 746B       0.75 mm     110 °C     Test Method       0.75 mm     110 °C     UL 746B       0.75 mm     125 °C     UL 746B																																																																																																											
Comparative Tracking Index (CTI)     PLC 0     UL 746A       Dielectric Strength     17 kV/mm     ASTM D149       High Voltage Arc Tracking Rate (HVTR)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms·cm     ASTM D257       Volume Resistivity     1.0E+16 ohms·cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C																																																																																																											
Dielectric Strength     17 kV/mm     ASTM D149       High Voltage Arc Tracking Rate (HVTR)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms·cm     ASTM D257       Volume Resistivity     1.0E+16 ohms·cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C     1.0E       1.5 mm     125 °C     1.0E       3.0 mm     125 °C     1.0E       0.75 mm     110 °C     1.0E       0.75 mm     110 °C     1.10E       0.75 mm     110°C     1.10E       0.75 mm     125 °C     1.10E       0.75 mm     125 °C     1.10E       0.75 mm			111 7464																																																																																																								
High Voltage Arc Tracking Rate (HVTR)     PLC 0     UL 746A       Volume Resistivity     1.0E+16 ohms cm     ASTM D257       Volume Resistivity     1.0E+16 ohms cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C     UL 746B       0.75 mm     125 °C     UL 746B       0.75 mm     125 °C     UL 746B       0.75 mm     110 °C     UL 746B       0.75 mm     125 °C     UL 746B																																																																																																											
Volume Resistivity     1.0E+16 ohms·cm     ASTM D257       Volume Resistivity     1.0E+16 ohms·cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C     1.5 mm       1.5 mm     125 °C     1.5 mm       3.0 mm     125 °C     1.5 mm       0.75 mm     125 °C     1.5 mm       3.0 mm     110 °C     1.0 °C       RTI Imp     UL 746B     UL 746B       0.75 mm     110 °C     1.5 mm       1.5 mm     110 °C     1.5 mm       3.0 mm     110 °C     1.5 mm       1.5 mm     110 °C     1.5 mm       0.75 mm     125 °C     1.5 mm	¥																																																																																																										
Volume Resistivity     1.0E+16 ohms cm     IEC 60093       Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B     UL 746B       0.75 mm     125 °C																																																																																																											
Arc Resistance     PLC 5     ASTM D495       hermal     Value     Test Method       RTI Elec     UL 746B       0.75 mm     125 °C       3.0 mm     125 °C       3.0 mm     125 °C       RTI Imp     UL 746B       0.75 mm     110 °C       1.5 mm     110 °C       3.0 mm     110 °C       7.5 mm     UL 746B       0.75 mm     100 °C       1.5 mm     110 °C       3.0 mm     110 °C       1.5 mm     110 °C       3.0 mm     125 °C	-																																																																																																										
hermal     Value     Test Method       RTI Elec     UL 746B       0.75 mm     125 °C       1.5 mm     125 °C       3.0 mm     125 °C       RTI Imp     UL 746B       0.75 mm     110 °C       1.5 mm     110 °C       0.75 mm     110 °C       1.5 mm     UL 746B       0.75 mm     110 °C       3.0 mm     110 °C       1.5 mm     110 °C       RTI Str     UL 746B       0.75 mm     125 °C       1.5 mm     125 °C       1.5 mm     125 °C       1.5 mm     125 °C	· · · · · · · · · · · · · · · · · · ·																																																																																																										
RTI Elec UL 746B   0.75 mm 125 °C   1.5 mm 125 °C   3.0 mm 125 °C   RTI Imp UL 746B   0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   7.5 mm 125 °C   1.5 mm 125 °C   1.5 mm 125 °C																																																																																																											
0.75 mm   125 °C     1.5 mm   125 °C     3.0 mm   125 °C     RTI Imp   UL 746B     0.75 mm   110 °C     1.5 mm   110 °C     3.0 mm   110 °C     7.5 mm   110 °C     3.0 mm   110 °C     1.5 mm   110 °C     3.0 mm   110 °C     3.0 mm   110 °C     3.0 mm   125 °C     1.5 mm   125 °C     1.5 mm   125 °C		Value																																																																																																									
1.5 mm 125 °C   3.0 mm 125 °C   RTI Imp UL 746B   0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   3.0 mm 110 °C   75 mm 110 °C   10 °C 110 °C		125 °C	011102																																																																																																								
3.0 mm 125 °C   RTI Imp UL 746B   0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   RTI Str UL 746B   0.75 mm 125 °C   1.5 mm 125 °C   1.5 mm 125 °C																																																																																																											
RTI Imp UL 746B   0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   RTI Str UL 746B   0.75 mm 125 °C   1.5 mm 125 °C   1.5 mm 125 °C																																																																																																											
0.75 mm 110 °C   1.5 mm 110 °C   3.0 mm 110 °C   RTI Str UL 746B   0.75 mm 125 °C   1.5 mm 125 °C			UL 746B																																																																																																								
1.5 mm 110 °C   3.0 mm 110 °C   RTI Str UL 746B   0.75 mm 125 °C   1.5 mm 125 °C		110 °C	011102																																																																																																								
3.0 mm     110 °C       RTI Str     UL 746B       0.75 mm     125 °C       1.5 mm     125 °C																																																																																																											
RTI Str     UL 746B       0.75 mm     125 °C       1.5 mm     125 °C																																																																																																											
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