



# Component - Plastics

File Number: E109088

## POLYPLASTICS CO LTD

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



## FORTRON" or "DURAFIDE: 6165A(e)(k)(f2)

Polyphenylene Sulfide (PPS), pellets

(e) - May be followed by a one digit number 0-9 incl. to indicate molecular weight.

(f2) - Subjected to one or more of the following tests: Ultraviolet Light, Water Exposure or Immersion in accordance with UL 746C, where the acceptability for outdoor use is to be determined by UL.

(k) - May be followed by a one digit number 0-9 incl. to indicate customer number.

Flammability	Value	Test Method
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	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746A
0.75 mm	PLC 3	
1.5 mm	PLC 3	
3.0 mm	PLC 1	
High Amp Arc Ignition (HAI)		UL 746A
0.75 mm	PLC 4	
1.5 mm	PLC 4	
3.0 mm	PLC 4	
Comparative Tracking Index (CTI)	PLC 2	UL 746A
Dielectric Strength	12 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 0	UL 746A
Volume Resistivity	1.0E+13 ohms-cm	ASTM D257
Volume Resistivity	1.0E+13 ohms-cm	IEC 60093
Arc Resistance	PLC 4	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746B
0.75 mm	240 °C	
1.5 mm	240 °C	
3.0 mm	240 °C	
RTI Imp		UL 746B
0.75 mm	200 °C	
1.5 mm	220 °C	
3.0 mm	220 °C	
RTI Str		UL 746B
0.75 mm	220 °C	
1.5 mm	240 °C	
3.0 mm	240 °C	

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Physical	Value	Test Method
Outdoor Suitability	f2	UL 746C

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