

SANTOPRENE[®] 201-64

SANTOPRENE®

A soft, colorable, versatile thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good physical properties and chemical resistance for use in a wide range of applications. This grade of Santoprene[™] TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding, extrusion or blow molding. It is polyolefin based and recyclable within the manufacturing stream.

Key Features

- UL listed: file #QMFZ2.E80017, Plastics Component; file #QMFZ8.E80017, Plastics Certified For Canada -Component
- Recommended for applications requiring excellent flex fatigue resistance
- Excellent ozone resistance

Product information

TPV	ISO 1043
>TPV<	ISO 11469
2.6 MPa	ISO 37
7 MPa	ISO 527-1/-2 or ISO 37
450 %	ISO 527-1/-2 or ISO 37
-60 °C	ASTM D 746
69	ISO 48-4 / ISO 868
18 %	ISO 815
44 %	ISO 815
22 kN/m	ISO 34-1
100 °C	UL 746B
	UL 746B
	UL 746B
95 °C	UL 746B
135 °C	SAE J2236
	UL 749
	UL 2157
17	022107
HB class	IEC 60695-11-10
1.5 mm	IEC 60695-11-10
yes	UL 94
HB class	IEC 60695-11-10
1 mm	IEC 60695-11-10
yes	UL 94
20 mm/min	ISO 3795 (FMVSS 302)
	UL 746A
PLC 2 s	UL 746A
	>TPV< 2.6 MPa 7 MPa 450 % -60 °C 69 18 % 44 % 22 kN/m 100 °C 100 °C 100 °C 90 °C 90 °C 95 °C 135 °C 135 °C 135 °C 135 °C 135 °C 135 °C 135 °L 135 °L 135 °C 135 °L 135 °L 13



SANTOPRENE[®] 201-64

SANTOPRENE®

Electrical properties			
Relative permittivity, 60Hz	2.3		IEC 62631-2-1
Arc Resistance Performance Level Category	PLC 6		UL 746B
Electric Strength, Short Time, 2mm		kV/mm	ASTM D 149
High Amperage Arc Ignition Category, 1.5 mm	PLC 0	class	UL 746A
Physical/Other properties			
	070		
Density	970	kg/m³	ISO 1183
Injection			
Max. regrind level	20	%	
Back pressure	0.517	MPa	
Extrusion			
Drying Temperature	82	°C	
Drying Time, Dehumidified Dryer	3	h	
Melt Temperature Range	196	°C	

Additional information

Processing Notes

Processing Notes

Desiccant drying for 3 hours at 80 °C (180 °F) is recommended. SantopreneTM TPV has a wide temperature processing window from 175 to 230 °C (350 to 450 °F) and is incompatible with acetal and PVC.

Printed: 2024-09-02

Page: 2 of 2

Revised: 2024-03-25 Source: Celanese Materials Database

NOTICE TO USERS: Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colourants or other additives may cause significant variations in data values. Properties of moulded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Other than those products expressly identified as medical grade (including by MT® product designation or otherwise), Celanese's products are not intended for use in medical or dental implants. Regardless of any such product designation, any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use. To the best of our knowledge, the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy and completeness of such information. The information contained in this publication is accurate; however, we do not assume any liability of users to investigate whether any existing patents are infringed by the use of the materials mentioned in this publication. Moreover, there is a need to reduce human exposure to many materials to the lowest practical limits in view of possible adverse effects. To the extent that any hazards may have been mentioned in this publication, we neither suggest nor guarantee that such hazards are the only ones that exist. We recommend that persons intending to rely on any recommendation or to use any equipment, processing technique or material mentioned in this publicatio

© 2024 Celanese or its affiliates. All rights reserved. Celanese®, registered C-ball design and all other trademarks identified herein with ®, TM, SM, unless otherwise noted, are trademarks of Celanese or its affiliates. Fortron is a registered trademark of Fortron Industries LLC. KEPITAL is a registered trademark of Korea Engineering Plastics Company, Ltd.