

Monprene® CP-17280 (PRELIMINARY DATA)

Thermoplastic Elastomer

Teknor Apex Company

Message:

The Monprene CP-17200 Filled, High Flow Series of thermoplastic elastomer compounds, with good UV resistance, available in NAT or colors, from 40 to 80 Shore A, are designed specifically for EU consumer product applications requiring a soft, rubber-like feel. Monprene CP-17280 is a medium hardness, medium density grade that is suitable for injection molding.

General Information			
Features	Good UV resistance		
	Good formability		
	Good liquidity		
	Good flexibility		
	Good coloring		
	Good adhesion		
	Good chemical resistance		
	Lubrication		
	Fill		
	Medium density		
	Medium hardness		
Uses	Handle		
	overmolding		
	Plug		
	Bushing		
	Washer		
	Washer		
	Leather case		
	Soft touch application		
	Soft handle		
	Rubber substitution		
	Consumer goods application field		
RoHS Compliance	RoHS compliance		
Appearance	Opacity		
	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	80		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% strain	3.30	MPa	ISO 37
300% strain	4.10	MPa	ISO 37
Tensile Strength (Break)	7.50	MPa	ISO 37
Tensile Elongation (Break)	600	%	ISO 37
Compression Set ¹			ISO 815
23°C, 22 hr	36	%	ISO 815
70°C, 22 hr	62	%	ISO 815
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 206 sec ⁻¹)	113	Pa · s	ISO 11443

Legal statement

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchaser assumes all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or others. There is no warranty of merchantability and there are no other warranties for the products described. For detailed Product Stewardship information, please contact us. Any product of Teknor Apex, including product names, shall not be used or tested in medical or food contact applications without the prior written acknowledgement of Teknor Apex as to the intended use. Please note that some products may not be available in one or more countries.

Injection	Nominal Value	Unit
Rear Temperature	120 - 160	°C
Middle Temperature	160 - 230	°C
Front Temperature	180 - 230	°C
Nozzle Temperature	180 - 230	°C
Processing (Melt) Temp	180 - 230	°C
Mold Temperature	15 - 50	°C
Injection Rate	Fast	
Back Pressure	0.500 - 1.50	MPa
Screw Speed	50 - 100	rpm
Cushion	3.00 - 20.0	mm

Injection instructions

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).

Extrusion instructions

Screw Speed: 30 to 100 rpm

NOTE

- Method B

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

