

Monprene® MP-2951 XRD1 (PRELIMINARY DATA)

Thermoplastic Elastomer
Teknor Apex Company

Message:
Monprene MP-2951 XRD1 is a general purpose thermoplastic elastomer designed for a variety of consumer and industrial product applications requiring a soft, rubber-like feel. Monprene MP-2951 XRD1 is a medium density, high hardness grade which exhibits a good flow and is suitable for injection molding.

General Information			
Features	Good liquidity		
	High liquidity		
	Fill		
	High hardness		
	Medium density		
Uses	Handle		
	Washer		
	Furniture		
	General		
	Consumer goods application field		
RoHS Compliance	RoHS compliance		
Appearance	Opacity		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 second, injection molding	80		ASTM D2240
Shore A, 5 seconds, injection molding	78		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	3.30	MPa	ASTM D412
Tensile Strength (Break)	7.70	MPa	ASTM D412
Tensile Elongation (Break)	670	%	ASTM D412

Compression Set (70°C, 22 hr)	64	%	ASTM D395
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 206 sec ⁻¹)	110	Pa·s	ASTM D3835

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	182 - 204	°C
Middle Temperature	182 - 204	°C
Front Temperature	182 - 204	°C
Nozzle Temperature	182 - 204	°C
Processing (Melt) Temp	182 - 204	°C
Mold Temperature	16 - 32	°C
Injection Pressure	1.38 - 5.52	MPa
Injection Rate	Fast	
Back Pressure	0.172 - 0.689	MPa
Screw Speed	50 - 100	rpm
Cushion	3.81 - 25.4	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).

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



WECHAT