Monprene® SP-16925 CLR XRD8 (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

Friday, April 3, 2026

General Information

Product Description

Monprene SP-16925 CLR XRD8 is a general purpose thermoplastic elastomer designed for a variety of consumer product applications requiring a water-clear, soft, rubber-like feel, including sporting goods. Monprene SP-16925 CLR XRD8 is a low hardness, low density, UV resistant grade which exhibits good toughness. This grade is suitable for injection molding.

General

Material Status	• Preliminary Data		
Availability	• Asia Pacific		
Features	• Chemical Resistant • Good Clarity • Good Colorability • Good Flexibility • Good Moldability	• Good Toughness • High Elongation • Low Density • Low Hardness • Low Specific Gravity	• Resilient • Soft • UV Resistant
Uses	• Consumer Applications • Footwear • General Purpose	• Handles • Knobs • Rubber Replacement	• Safety Equipment • Soft Touch Applications • Sporting Goods
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent	• Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.882		ASTM D792
Melt Mass-Flow Rate (MFR) (125°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	435	psi	ASTM D412
Tensile Elongation (Break)	> 600	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	25		
Shore A, 5 sec, Injection Molded	23		

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	360 to 450	°F
Middle Temperature	370 to 460	°F
Front Temperature	380 to 470	°F
Nozzle Temperature	390 to 480	°F
Processing (Melt) Temp	390 to 480	°F

Revision Date: 11/1/2022

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Injection	Nominal Value	Unit
Mold Temperature	95 to 120	°F
Injection Pressure	200 to 800	psi
Injection Rate	Fast	
Back Pressure	25.0 to 100	psi
Screw Speed	50 to 100	rpm
Cushion	0.150 to 1.00	in

Injection Notes

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

Notes

[1] Typical properties: these are not to be construed as specifications.

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