Monprene® CP-22335 XRD1 (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene CP-22335 XRD1, available in NAT and colors, is a high performance thermoplastic elastomer designed for a variety of consumer product applications requiring a soft, rubber-like feel. Monprene CP-22335 XRD1 is a low density, low hardness, RoHS compliant grade that is suitable for extrusion, injection molding and cast film.

General

Material Status	• Preliminary Data		
Availability	• North America		
Features	• Chemical Resistant • Excellent Printability • Good Adhesion • Good Colorability • Good Flexibility • Good Processability • Good Stretchability	• Good Toughness • Halogen Free • High Elasticity • Low Density • Low Flow • Low Hardness • Low Specific Gravity	• Lubricated • Outstanding Surface Finish • Resilient • Wear Resistant • Without Fillers
Uses	• Cast Film • Consumer Applications • Film	• Hygiene • Rubber Replacement • Sheet	• Sporting Goods • Tubing
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	• Translucent
Forms	• Pellets		
Processing Method	• Cast Film	• Extrusion	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.892		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.5	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2] (100% Strain)	65.7	psi	ASTM D412
Tensile Strength [2] (Break)	824	psi	ASTM D412
Tensile Elongation [2] (Break)	660	%	ASTM D412
Tear Strength [2]	202	lbf/in	ASTM D624
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	35		
Shore A, 5 sec, Injection Molded	33		

Legal Statement

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	375 to 410	°F

Revision Date: 3/16/2023

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Injection	Nominal Value	Unit
Middle Temperature	400 to 420	°F
Front Temperature	400 to 440	°F
Nozzle Temperature	420 to 440	°F
Processing (Melt) Temp	400 to 440	°F
Mold Temperature	80 to 120	°F
Injection Rate	Moderate-Fast	
Screw Speed	50 to 100	rpm
Cushion	0.150 to 0.500	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).

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	380 to 440	°F
Cylinder Zone 2 Temp.	380 to 440	°F
Cylinder Zone 3 Temp.	380 to 440	°F
Cylinder Zone 4 Temp.	380 to 440	°F
Cylinder Zone 5 Temp.	380 to 440	°F
Die Temperature	380 to 440	°F

Extrusion Notes

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).
Screw Speed: 30 to 100 rpm

Notes

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

[2] Die C, 20 in/min

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