Monprene® CE-32175 CLR XRD3 (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene CE-32175 CLR XRD3 is a high performance thermoplastic elastomer, developed for a variety of consumer electronic product applications. Monprene CE-32175 CLR XRD3 is a medium hardness, low density, clear grade suitable for extrusion and injection molding.

General			
Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Adhesion • Good Colorability • Good Processability	• Good Toughness • High Clarity • Low Density • Low Specific Gravity	• Medium Hardness • Without Fillers
Uses	• Consumer Applications • Electrical/Electronic Applications • Gaskets	• Handles • Rubber Replacement • Tubing	• Wire & Cable Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent	• Colors Available	
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.882		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	1890	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	79		
Shore A, 5 sec, Injection Molded	77		

Legal Statement

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	400 to 440	°F
Middle Temperature	400 to 440	°F
Front Temperature	400 to 440	°F
Nozzle Temperature	400 to 440	°F
Processing (Melt) Temp	400 to 440	°F
Mold Temperature	60 to 90	°F

Revision Date: 1/21/2026

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Injection	Nominal Value	Unit
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).

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	320 to 428	°F
Cylinder Zone 2 Temp.	338 to 428	°F
Cylinder Zone 3 Temp.	356 to 428	°F
Cylinder Zone 4 Temp.	356 to 428	°F
Cylinder Zone 5 Temp.	356 to 428	°F
Die Temperature	356 to 428	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

Notes

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

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