Monprene® CP-17055 XRD3

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene CP-17055 XRD3, available in Natural or Colors, is a Filled, High Flow thermoplastic elastomer compound, designed for a variety of consumer product applications requiring a soft, rubber-like feel. Monprene CP-17055 XRD3 is a medium hardness, medium density grade that is suitable for injection molding.

General			
Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Filled • Good Adhesion	• Good Colorability • Good Flexibility • Good Moldability	• High Flow • Medium Density • Medium Hardness
Uses	• Consumer Applications • Footwear	• Overmolding • Rubber Replacement	• Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Opaque	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.992		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	45	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	236	psi	ASTM D412
Tensile Stress (300% Strain)	371	psi	ASTM D412
Tensile Strength (Break)	566	psi	ASTM D412
Tensile Elongation (Break)	610	%	ASTM D412
Compression Set			ASTM D395
73°F, 22 hr	26	%	
158°F, 22 hr	53	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec	55		
Shore A, 5 sec	52		

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	356 to 374	°F
Middle Temperature	374 to 392	°F

Revision Date: 2/18/2026

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Injection	Nominal Value	Unit
Front Temperature	383 to 410	°F
Nozzle Temperature	392 to 410	°F
Processing (Melt) Temp	374 to 419	°F
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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