Monprene® CP-32053G CLR (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene CP-32053G CLR is a very soft clear low density thermoplastic elastomer gel designed for a variety of consumer product applications. Monprene CP-32053G CLR exhibits high flow and is suitable for injection molding.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Contact Clarity • Good Adhesion • Good Colorability • Good Flexibility • Good Toughness	• Halogen Free • High Flow • Low Density • Low Hardness • Low Specific Gravity	• Resilient • Soft • Without Fillers
Uses	• Consumer Applications • Diaphragms • Footwear	• Gaskets • Industrial Applications • O-rings	• Overmolding • Rubber Replacement • Seals
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	0.880		ASTM D792
Melt Mass-Flow Rate (MFR) (150°C/2.16 kg)	20	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (300% Strain)	50.0	psi	ASTM D412
Tensile Strength (Break)	300	psi	ASTM D412
Tensile Elongation (Break)	1100	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	5		
Shore OO, 1 sec, Injection Molded	55		
Shore OO, 5 sec, Injection Molded	53		

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	280 to 320	°F
Middle Temperature	280 to 320	°F
Front Temperature	280 to 320	°F

Revision Date: 2/4/2019

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Injection	Nominal Value	Unit
Nozzle Temperature	280 to 320	°F
Processing (Melt) Temp	280 to 320	°F
Mold Temperature	60 to 90	°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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