Monprene® CP-32054G CLR (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene CP-32054G CLR is a very soft clear thermoplastic elastomer gel designed for a variety of consumer product applications. Monprene CP-32054G CLR is a low density, high flow, high elasticity grade that is suitable for injection molding or extrusion.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Contact Clarity • Good Colorability • Good Moldability	• High Elasticity • High Flow • Low Density • Low Hardness	• Low Specific Gravity • Without Fillers
Uses	• Consumer Applications • Handles	• Rubber Replacement • Seals	• Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent	• Natural Color	
Forms	• Pellets		
Processing Method	• Extrusion	• 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)	27	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (300% Strain)	60.0	psi	ASTM D412
Tensile Strength (Break)	400	psi	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	8		
Shore OO, 1 sec, Injection Molded	58		

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	260 to 300	°F
Middle Temperature	260 to 300	°F
Front Temperature	260 to 300	°F
Nozzle Temperature	260 to 300	°F
Processing (Melt) Temp	260 to 300	°F
Mold Temperature	60 to 90	°F

Revision Date: 2/4/2019

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Injection	Nominal Value	Unit
Injection Pressure	200 to 800	psi
Injection Rate	Slow-Moderate	
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.	240 to 280	°F
Cylinder Zone 2 Temp.	240 to 280	°F
Cylinder Zone 3 Temp.	240 to 280	°F
Cylinder Zone 4 Temp.	240 to 280	°F
Cylinder Zone 5 Temp.	240 to 280	°F
Die Temperature	240 to 280	°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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