Monprene® CP-32040G CLR (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene CP-32040G CLR is a very soft clear low density thermoplastic elastomer gel designed for a variety of consumer product applications. Monprene CP-32040G CLR, available in CLR and colors, 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	• Good Adhesion • Good Colorability • Good Flexibility • Good Processability • Good Surface Finish	• Good Toughness • High Elongation • High Flow • Low Density • Low Hardness	• Low Specific Gravity • Resilient • Soft • Without Fillers
Uses	• Consumer Applications • Gaskets • O-rings	• Overmolding • Rubber Replacement • Seals	• Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Black • Clear/Transparent	• Colors Available • Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.872		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	22	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength - Across Flow [2] (Break)	290	psi	ASTM D412
Tensile Elongation - Across Flow [2] (Break)	530	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore OO, 1 sec, Injection Molded	42		
Shore OO, 5 sec, Injection Molded	40		

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	340 to 380	°F
Middle Temperature	340 to 380	°F
Front Temperature	340 to 380	°F
Nozzle Temperature	340 to 380	°F

Revision Date: 2/4/2019

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Injection	Nominal Value	Unit
Processing (Melt) Temp	340 to 380	°F
Mold Temperature	60 to 90	°F
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).

Notes

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

[2] Die C, 20 in/min

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