



# Monprene® CP-32023G CLR (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

## General Information

### Product Description

Monprene CP-32023G CLR, available in NAT and colors, is a high performance thermoplastic elastomer designed for a variety of consumer product applications requiring a soft, rubber-like feel. Monprene CP-32023G CLR is a low density, low hardness, RoHS compliant grade that 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 Clarity • Good Colorability • Good Flexibility • Good Flow • Good Moldability	• Good Processability • High Elongation • High Flexibility • High Flow • Low Blooming • Low Density	• Low Hardness • Low Temperature Flexibility • Soft • Without Fillers
Uses	• Consumer Applications • Gaskets	• Handles • Soft Touch Applications	
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent	• Colors Available	• Natural Color
Forms	• Pellets		
Processing Method	• Injection Molding		

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.860		ASTM D792
Melt Mass-Flow Rate (MFR) (125°C/0.325 kg)	0.80	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	25.0	psi	ASTM D412
Tensile Strength (Break)	100	psi	ASTM D412
Tensile Elongation (Break)	750	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore OO, 1 sec, Injection Molded	25		
Shore OO, 5 sec, Injection Molded	23		

## Processing Information

Injection	Nominal Value	Unit
Rear Temperature	260 to 340	°F
Middle Temperature	260 to 340	°F
Front Temperature	260 to 340	°F

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Injection	Nominal Value	Unit
Nozzle Temperature	260 to 340	°F
Processing (Melt) Temp	260 to 340	°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

<sup>1</sup> Typical properties: these are not to be construed as specifications.