



# Monprene® CP-32063G CLR (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

## General Information

### Product Description

Monprene CP-32063G is a very soft thermoplastic elastomer gel designed for a variety of consumer product applications. Monprene CP-32063G has excellent clarity/transparency and is suitable for injection molding and some extrusion processes.

### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Good Colorability • Good Moldability • High Clarity	• High Flow • Low Density • Low Hardness • Low Specific Gravity	• Soft • Without Fillers
Uses	• Consumer Applications • Flexible Grips	• Gaskets • Handles	• Seals • Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Blue • Clear/Transparent	• Colors Available • Natural Color	
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.880		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	15	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	600	psi	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	18		
Shore A, 10 sec	13		
Shore OO	65		

## 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
Processing (Melt) Temp	340 to 380	°F

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Injection	Nominal Value	Unit
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).

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	320 to 360	°F
Cylinder Zone 2 Temp.	320 to 360	°F
Cylinder Zone 3 Temp.	320 to 360	°F
Cylinder Zone 4 Temp.	320 to 360	°F
Cylinder Zone 5 Temp.	320 to 360	°F
Die Temperature	320 to 360	°F

### Extrusion Notes

Screw Speed: 30 to 50 rpm

### Notes

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