Monprene® CP-32023G CLR (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

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		

Properties [1]

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		

Legal Statement

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Processing Information

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

Revision Date: 2/4/2019

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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

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

Teknor Apex Company
Corporate Headquarters

In U.S. for Vinyls, TPEs, Colorants,

Engineered Thermoplastics (Chem Polymer)
505 Central Avenue
Pawtucket, Rhode Island 02861 U.S.

Phone: 401-725-8000
Fax: 401-725-8095
Toll Free (U.S. only) 800-556-3864

www.teknorapex.com
info@teknorapex.com

Teknor Apex B.V.

Brightlands Chemelot Campus Umonderbaan 22
6167 RD Geleen, Netherlands

Phone: +31 46 7020 950
Fax: +31 46 7020 990

www.teknorapex.com
tpe@teknorapex.com

Teknor Apex (Suzhou) Advanced Polymer Compounds Co. Pte. Ltd.

No. 78 Ping Sheng Road

Suzhou Industrial Park
Jiangsu, China 215126

Phone: (86) 512-6287-1550
Fax: (86) 512-6288-8371

www.teknorapex.com
infotaap@teknoapex.com

Teknor Apex Asia Pacific PTE. LTD.

41 Shipyard Road

Singapore 628134

Phone: (65) 6265-2544
Fax: (65) 6265-1821

www.teknorapex.com
infotaap@teknorapex.com

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