Monprene® CP-19129

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene CP-19129 is a general purpose thermoplastic elastomer, available in NAT and BLK, designed for a variety of consumer product applications requiring a soft, rubber-like feel. Monprene CP-19129 is a clear, low hardness, low density grade that exhibits excellent slip characteristics, is ablation resistant, and suitable for injection molding and extrusion.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Optical Brightener and Blueing Agent		
Features	• Ablation Resistant • Ablative • Chemical Resistant • Good Adhesion • Good Flexibility	• Good Processability • Good Toughness • Low Density • Low Hardness • Low Specific Gravity	• Lubricated • Slip • Without Fillers
Uses	• Bushings • Consumer Applications • Diaphragms • Gaskets	• General Purpose • Grommets • Handles • Plugs	• Rubber Replacement • Soft Touch Applications • Writing Instruments
RoHS Compliance	• RoHS Compliant		
Appearance	• Black • Clear/Transparent	• Colors Available • Natural Color	
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.890		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	1.5	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2]			ASTM D412
Across Flow : 100% Strain	342	psi	
Flow : 100% Strain	308	psi	
Tensile Stress [2]			ASTM D412
Across Flow : 300% Strain	389	psi	
Flow : 300% Strain	358	psi	
Tensile Strength [2]			ASTM D412
Across Flow : Break	1300	psi	
Flow : Break	1030	psi	
Tensile Elongation [2]			ASTM D412
Across Flow : Break	1300	%	
Flow : Break	1400	%	
Tear Strength [2]			ASTM D624
Across Flow	159	lbf/in	
Flow	122	lbf/in	

Revision Date: 1/9/2019

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Elastomers	Nominal Value	Unit	Test Method
Compression Set [3]			ASTM D395B
73°F, 22 hr	8.4	%	
158°F, 22 hr	55	%	

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	32		
Shore A, 5 sec, Injection Molded	29		

Legal Statement

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	420 to 460	°F
Middle Temperature	420 to 460	°F
Front Temperature	420 to 460	°F
Nozzle Temperature	420 to 460	°F
Processing (Melt) Temp	420 to 460	°F
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.	400 to 440	°F
Cylinder Zone 2 Temp.	400 to 440	°F
Cylinder Zone 3 Temp.	400 to 440	°F
Cylinder Zone 4 Temp.	400 to 440	°F
Cylinder Zone 5 Temp.	400 to 440	°F
Die Temperature	400 to 440	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

Notes

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

[2] Die C, 20 in/min

[3] Type 1

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