Monprene® CP-19141

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene CP-19141 is a high performance thermoplastic elastomer designed for a variety of consumer product applications requiring a soft, rubber-like feel. Monprene CP-19141 is a clear, low hardness, low density, unfilled, lubricated grade that is suitable for injection molding.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Adhesion • Good Processability • High Flow	• Low Density • Low Hardness • Low Specific Gravity • Lubricated	• Slip • Without Fillers
Uses	• Bushings • Consumer Applications • Flexible Grips • Gaskets	• Grommets • Handles • Knobs • Luggage	• Plugs • Rubber Replacement • Soft Touch Applications • Writing Instruments
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent	• Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.910		ASTM D792
Melt Mass-Flow Rate (MFR) (150°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2]			ASTM D412
Across Flow : 100% Strain	113	psi	
Flow : 100% Strain	454	psi	
Tensile Stress [2]			ASTM D412
Across Flow : 300% Strain	238	psi	
Flow : 300% Strain	692	psi	
Tensile Strength [2]			ASTM D412
Across Flow : Break	1900	psi	
Flow : Break	987	psi	
Tensile Elongation [2]			ASTM D412
Across Flow : Break	560	%	
Flow : Break	620	%	
Tear Strength [2]			ASTM D624
Across Flow	242	lbf/in	
Flow	156	lbf/in	
Compression Set [3] (73°F, 22 hr)	17	%	ASTM D395B
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	45		
Shore A, 5 sec, Injection Molded	42		

Revision Date: 1/9/2019

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	300 to 340	°F
Middle Temperature	300 to 340	°F
Front Temperature	300 to 340	°F
Nozzle Temperature	300 to 340	°F
Processing (Melt) Temp	300 to 340	°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).

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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