Monprene® CP-19250

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene CP-19250 is a general purpose thermoplastic elastomer designed for a variety of consumer product applications requiring a soft, rubber-like feel. Monprene CP-19250 is a medium hardness grade suitable for injection molding.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • Good Mold Release • Good Moldability • Good Processability • Good Tear Strength	• Good Toughness • Halogen Free • Low Density • Low Flow • Low Specific Gravity	• Medium Hardness • Slip • Without Fillers
Uses	• Consumer Applications • Flexible Grips	• Gaskets • General Purpose	• Handles
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	• Translucent
Forms	• Pellets		
Processing Method	• 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)	10	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2]			ASTM D412
Across Flow : 100% Strain	251	psi	
Flow : 100% Strain	343	psi	
Tensile Stress [2]			ASTM D412
Across Flow : 300% Strain	443	psi	
Flow : 300% Strain	538	psi	
Tensile Strength [2]			ASTM D412
Across Flow : Break	1490	psi	
Flow : Break	915	psi	
Tensile Elongation [2]			ASTM D412
Across Flow : Break	760	%	
Flow : Break	570	%	
Tear Strength [2]			ASTM D624
Across Flow	202	lbf/in	
Flow	164	lbf/in	
Compression Set [3]			ASTM D395B
73°F, 22 hr	14	%	
158°F, 22 hr	84	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	52		
Shore A, 5 sec, Injection Molded	50		

Revision Date: 11/5/2019

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	380 to 420	°F
Middle Temperature	380 to 420	°F
Front Temperature	380 to 420	°F
Nozzle Temperature	380 to 420	°F
Processing (Melt) Temp	380 to 420	°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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