Monprene® CP-19318

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene CP-19318 is a high performance thermoplastic elastomer designed for a variety of consumer product applications requiring a soft, rubber-like feel. Monprene CP-19318 is a transparent, lubricated, low hardness, low density grade that is suitable for injection molding.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Colorability • Good Mold Release • Good Moldability • Good Processability	• High Flow • Low Density • Low Hardness • Low Specific Gravity	• Lubricated • Slip • Without Fillers
Uses	• Consumer Applications	• Handles	• Writing Instruments
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	0.880		ASTM D792
Melt Mass-Flow Rate (MFR) (150°C/5.0 kg)	3.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2]			ASTM D412
Across Flow : 100% Strain	74.0	psi	
Flow : 100% Strain	116	psi	
Tensile Stress [2]			ASTM D412
Across Flow : 300% Strain	159	psi	
Flow : 300% Strain	207	psi	
Tensile Strength [2]			ASTM D412
Across Flow : Break	483	psi	
Flow : Break	328	psi	
Tensile Elongation [2]			ASTM D412
Across Flow : Break	660	%	
Flow : Break	580	%	
Tear Strength [2]			ASTM D624
Across Flow	82.0	lbf/in	
Flow	59.0	lbf/in	
Compression Set [3] (73°F, 22 hr)	24	%	ASTM D395B
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	19		
Shore A, 5 sec, Injection Molded	18		

Revision Date: 4/18/2024

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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 Rate	Fast	

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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