Monprene® CP-19078

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene CP-19078 is a general purpose thermoplastic elastomer designed for a variety of consumer product applications requiring a soft, rubber-like feel. Monprene CP-19078 is a high hardness, low density, high flow grade suitable for injection molding.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Filled • Good Mold Release • Good Moldability	• Good Processability • High Hardness • Low Density	• Low Specific Gravity • Medium Flow
Uses	• Consumer Applications • Gaskets • Handles	• Kitchenware • Sporting Goods • Toothbrush Handles	• Writing Instruments
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	• Opaque
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.940		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
Across Flow : 100% Strain [2]	550	psi	
Flow : 100% Strain [3]	940	psi	
Tensile Stress			ASTM D412
Across Flow : 300% Strain [2]	600	psi	
Flow : 300% Strain [3]	1080	psi	
Tensile Strength			ASTM D412
Across Flow : Break [2]	1340	psi	
Flow : Break [3]	1110	psi	
Tensile Elongation			ASTM D412
Across Flow : Break [2]	2200	%	
Flow : Break [3]	390	%	
Tear Strength [3]			ASTM D624
Across Flow	287	lbf/in	
Flow	300	lbf/in	
Compression Set [4]			ASTM D395B
73°F, 22 hr	26	%	
158°F, 22 hr	62	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	80		
Shore A, 5 sec, Injection Molded	78		

Revision Date: 1/9/2019

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	360 to 400	°F
Middle Temperature	360 to 400	°F
Front Temperature	360 to 400	°F
Nozzle Temperature	360 to 400	°F
Processing (Melt) Temp	360 to 400	°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] 20 in/min

[3] Die C, 20 in/min

[4] Type 1

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