Monprene® MP-2817H

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene MP-2817H is a general purpose thermoplastic elastomer, available in NAT, BLK, and WHT, designed for a variety of consumer applications. Monprene MP-2817H is a high flow, low density, low hardness, RoHS compliant grade that is suitable for injection molding.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Abrasion Resistant • Good Clarity • Good Flow • Good Mold Release	• Good Moldability • Good Processability • High Elongation • High Flow	• Low Density • Low Hardness • Soft • Without Fillers
Uses	• Closures • Consumer Applications	• Gaskets • Handles	• Kitchenware • Rubber Replacement
Agency Ratings	• EU Food Contact	• FDA Food Contact	
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	0.880		ASTM D792
Melt Mass-Flow Rate (MFR) (150°C/2.16 kg)	11	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	58.0	psi	ASTM D412
Tensile Stress (300% Strain)	110	psi	ASTM D412
Tensile Strength (Break)	700	psi	ASTM D412
Tensile Elongation (Break)	650	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	18		
Shore A, 5 sec, Injection Molded	16		
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Apparent Viscosity (482°F, 232 sec^-1)	9.35	Pa·s	ASTM D3835

Legal Statement

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	320 to 400	°F
Middle Temperature	320 to 400	°F

Revision Date: 9/22/2021

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Injection	Nominal Value	Unit
Front Temperature	320 to 400	°F
Nozzle Temperature	320 to 400	°F
Processing (Melt) Temp	320 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.

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