Monprene® OM-10160

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene OM-10160 is a high performance thermoplastic elastomer designed for overmolding applications like grips and anti-skid parts for consumer products. Monprene OM-10160 is a medium hardness, low density, opaque grade that exhibits excellent adhesion to nylon.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Abrasion Resistant • Bondability • Chemical Resistant • Good Adhesion • Good Colorability • Good Flexibility	• Good Moldability • Good Processability • Good Surface Finish • Good Tear Strength • Good Toughness • Halogen Free	• Low Density • Low Specific Gravity • Medium Hardness • Resilient
Uses	• Appliances • Bonding • Cell Phones • Consumer Applications • Flexible Grips	• Handles • Knobs • Luggage • Overmolding • Plugs	• Power/Other Tools • Rubber Replacement • Soft Touch Applications • Sporting Goods • White Goods & Small Appliances
RoHS Compliance	• RoHS Compliant		
Appearance	• Black • Colors Available	• Natural Color • Opaque	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.920		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	19	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	800	psi	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A	58		
Shore A, 5 sec	56		
Additional Information	**Nominal Value**	**Unit**	
Adhesion to Nylon			

Legal Statement

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Revision Date: 10/7/2020

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Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	400 to 450	°F
Middle Temperature	410 to 450	°F
Front Temperature	420 to 460	°F
Nozzle Temperature	430 to 470	°F
Processing (Melt) Temp	430 to 470	°F
Mold Temperature	75 to 140	°F
Injection Pressure	200 to 1000	psi
Injection Rate	Fast	
Back Pressure	25.0 to 125	psi
Screw Speed	50 to 120	rpm
Cushion	0.150 to 1.00	in

Injection Notes

Material should be dried as noted prior to molding

Notes

[1] Typical properties: these are not to be construed as specifications.

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