Monprene® OM-10265-01

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene OM-10265-01 is a specialty thermoplastic elastomer, available in NAT, BLK, and colors, designed for a variety of overmolding applications for consumer and industrial products. Monprene OM-10265-01 is a medium hardness, medium density, transparent grade that exhibits excellent adhesion to PC, ABS, PC/ABS, and PBT.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Good Colorability • Good Mold Release	• Good Moldability • Lead Stabilized • Medium Density	• Medium Hardness • Without Fillers
Uses	• Appliances • Bonding • Cell Phones • Dental Applications	• Flexible Grips • Handles • Knobs • Overmolding	• Power/Other Tools • Sporting Goods • Toothbrush Handles • Writing Instruments
RoHS Compliance	• RoHS Compliant		
Appearance	• Transparent - Slight Yellow		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.970		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2]			ASTM D412
Across Flow : Break	1200	psi	
Flow : Break	720	psi	
Tensile Elongation			ASTM D412
Flow : Break	540	%	
Across Flow : Break [2]	780	%	
Tear Strength	180	lbf/in	ASTM D624
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A [3]	62		
Shore A [4]	68		
Shore A, 5 sec, 71°F, Injection Molded [4]	65		
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94
0.12 in, All Colors	HB		
0.24 in, All Colors	HB		
Additional Information	**Nominal Value**	**Unit**	
Adhesion to ABS			
Adhesion to PBT			
Adhesion to PC			
Adhesion to PC/ABS			

Revision Date: 5/24/2024

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Processing Information

Injection	Nominal Value	Unit
Drying Temperature	140	°F
Drying Time	1.0 to 2.0	hr
Rear Temperature	280 to 370	°F
Middle Temperature	310 to 390	°F
Front Temperature	310 to 420	°F
Nozzle Temperature	310 to 430	°F
Processing (Melt) Temp	330 to 430	°F
Mold Temperature	50 to 90	°F
Injection Pressure	200 to 800	psi
Injection Rate	Fast	
Back Pressure	25.0 to 125	psi
Screw Speed	50 to 100	rpm
Cushion	0.150 to 1.00	in

Injection Notes

Moisture can degrade the material. Drying is suggested. This can be accomplished by placing the material in a desiccant dryer for 1 to 2 hours at 140°F.

Notes

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

[2] 20 in/min

[3] Aged for 0 hr at 71°F

[4] Aged for 24 hr at 71°F

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