Monprene® IN-23060 (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene IN-23000 series is the "standard" non-lubricated series for TPS seals in window profiles. Monprene IN-23060 is a medium hardness, easily colorable grade exhibiting excellent surface aesthetics with good melt strength, sealability and UV stability. This grade is designed for extrusion and can be easily co-extruded with PP or other stiffer TPE backbone.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Filled • Good Melt Strength • Good Surface Finish	• High Density • High Elasticity • High Specific Gravity	• Light Stabilized • Low Flow • Medium Hardness
Uses	• Building Materials • Construction Applications • Industrial Applications	• Profiles • Rubber Replacement • Tubing	• Weatherstripping • Windows & Doors
RoHS Compliance	• RoHS Compliant		
Appearance	• Black • Colors Available	• Natural Color • Opaque	
Forms	• Pellets		
Processing Method	• Coextrusion	• Extrusion	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress - Across Flow [2] (100% Strain)	280	psi	ASTM D412
Tensile Stress - Across Flow [2] (300% Strain)	439	psi	ASTM D412
Tensile Strength [2]			ASTM D412
Across Flow : Break	702	psi	
Flow : Break	692	psi	
Tensile Elongation [2]			ASTM D412
Break	580	%	
Flow : Break	100	%	
Tear Strength [2]			ASTM D624
Across Flow	192	lbf/in	
Flow	133	lbf/in	
Compression Set [3]			ASTM D395B
73°F, 22 hr	25	%	
158°F, 22 hr	50	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	62		
Shore A, 5 sec, Injection Molded	60		
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Apparent Viscosity (392°F, 206 sec^-1)	280	Pa·s	ASTM D3835

Revision Date: 7/31/2024

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Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	440 to 480	°F
Cylinder Zone 2 Temp.	440 to 480	°F
Cylinder Zone 3 Temp.	440 to 480	°F
Cylinder Zone 4 Temp.	440 to 480	°F
Cylinder Zone 5 Temp.	440 to 480	°F
Die Temperature	440 to 480	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

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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