Monprene® IN-23075 (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-23075 XRD is a medium hardness, high density grade. 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 • UV Resistant
Uses	• Building Materials • Construction Applications • Industrial Applications	• Profiles • Rubber Replacement • Tubing	• Weatherstripping • Windows & Doors
RoHS Compliance	• RoHS Compliant		
Appearance	• Black	• Colors Available	• 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) (200°C/5.0 kg)	3.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	250	psi	ASTM D412
Tensile Strength (Break)	1650	psi	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	77		
Shore A, 5 sec, Injection Molded	75		
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Apparent Viscosity (392°F, 206 sec^-1)	270	Pa·s	ASTM D3835

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Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	360 to 450	°F
Cylinder Zone 2 Temp.	370 to 460	°F
Cylinder Zone 3 Temp.	380 to 470	°F
Cylinder Zone 4 Temp.	379 to 469	°F
Cylinder Zone 5 Temp.	390 to 480	°F
Die Temperature	390 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.

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