Monprene® IN-26970D

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene® IN-26970D is a high performance thermoplastic polyolefin, available in NAT, used in a variety of industrial applications. Monprene® IN-26970D is a high hardness, high density, filled grade with 500kpsi modulus that is UV stabilized and suitable for extrusion.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Abrasion Resistant • Chemical Resistant • Filled • Good Colorability • Good Melt Strength	• Good Moldability • Good Processability • Good Processing Stability • Good Toughness • Halogen Free	• High Density • High Hardness • High Specific Gravity • High Stiffness • Low Flow
Uses	• Construction Applications • Industrial Applications • Industrial Parts	• Profiles • Structural Parts • Wall Panels	• Windows & Doors
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	• Opaque
Forms	• Pellets		
Processing Method	• Extrusion		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.24		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Break, Injection Molded)	3850	psi	ASTM D638
Tensile Elongation [2] (Break, Injection Molded)	38	%	ASTM D638
Flexural Modulus (Injection Molded, 2.00 in Span)	510000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F, Injection Molded)	1.8	ft·lb/in	ASTM D256
Gardner Impact (-22°F, Injection Molded)	4.00	in·lb	ASTM D3029
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore D, 1 sec, Injection Molded	75		
Shore D, 5 sec, Injection Molded	72		
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Apparent Viscosity (392°F, 207 sec^-1)	573	Pa·s	ASTM D3835

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Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	380 to 440	°F
Cylinder Zone 2 Temp.	380 to 440	°F
Cylinder Zone 3 Temp.	380 to 440	°F
Cylinder Zone 4 Temp.	380 to 440	°F
Cylinder Zone 5 Temp.	380 to 440	°F
Die Temperature	380 to 440	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

Notes

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

[2] Type I, 20 in/min

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