Monprene® IN-22068

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene IN-22068 is a high performance thermoplastic elastomer designed for the industrial market. Monprene IN-22068 is a medium hardness, low density grade that is suitable for extrusion.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Abrasion Resistant • Chemical Resistant • Good Adhesion • Good Colorability • Good Melt Strength • Good Moldability	• Good Processability • Good Processing Stability • Good Tear Strength • Good Toughness • Halogen Free • High Elongation	• Low Compression Set • Low Density • Low Flow • Low Specific Gravity • Medium Hardness • Without Fillers
Uses	• Gaskets • Handles • Hose • Industrial Applications	• Low Temperature Applications • Pipe Seals • Profiles • Rubber Replacement	• Seals • Tubing • Windows & Doors
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	• Translucent
Forms	• Pellets		
Processing Method	• Extrusion		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.900		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 [2]			ASTM D412
Across Flow : 100% Strain	330	psi	
Flow : 100% Strain	609	psi	
Tensile Stress [2]			ASTM D412
Across Flow : 300% Strain	540	psi	
Flow : 300% Strain	860	psi	
Tensile Strength [2]			ASTM D412
Across Flow : Break	1310	psi	
Flow : Break	897	psi	
Tensile Elongation [2]			ASTM D412
Across Flow : Break	740	%	
Flow : Break	390	%	
Tear Strength [2]			ASTM D624
Across Flow	247	lbf/in	
Flow	182	lbf/in	
Compression Set [3]			ASTM D395B
73°F, 22 hr	25	%	
158°F, 22 hr	65	%	

Revision Date: 9/7/2022

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Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	68		
Shore A, 5 sec, Injection Molded	65		

Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 207 sec^-1)	322	Pa·s	ASTM D3835

Legal Statement

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Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	360 to 400	°F
Cylinder Zone 2 Temp.	380 to 420	°F
Cylinder Zone 3 Temp.	380 to 420	°F
Cylinder Zone 4 Temp.	380 to 420	°F
Cylinder Zone 5 Temp.	380 to 420	°F
Die Temperature	380 to 420	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

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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