



Monprene® IN-23695

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Monprene IN-23695 is a general purpose thermoplastic elastomer designed for a variety of industrial applications, including seals and gaskets. Monprene IN-23695 is a high density, high hardness, RoHS compliant grade 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 Processability	• Good Processing Stability • Good Tear Strength • Good Toughness • Halogen Free • High Density • High Elongation	• High Hardness • High Specific Gravity • Low Compression Set • Low Flow
Uses	• Gaskets • Handles • Hose • Industrial Applications	• Low Temperature Applications • Pipe Seals • Profiles • Rubber Replacement	• Seals • Tubing • Wheels/Casters • Windows & Doors
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO 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)	4.0	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ²			ASTM D412
Across Flow : 100% Strain	551	psi	
Flow : 100% Strain	738	psi	
Tensile Strength ²			ASTM D412
Across Flow : Break	986	psi	
Flow : Break	1130	psi	
Tensile Elongation ²			ASTM D412
Across Flow : Break	600	%	
Flow : Break	550	%	
Tear Strength ²			ASTM D624
Across Flow	220	lbf/in	
Flow	180	lbf/in	
Compression Set ³			ASTM D395B
73°F, 22 hr	42	%	
158°F, 22 hr	64	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	95		
Shore A, 5 sec, Injection Molded	93		

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Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	420 to 460	°F
Cylinder Zone 2 Temp.	420 to 460	°F
Cylinder Zone 3 Temp.	420 to 460	°F
Cylinder Zone 4 Temp.	420 to 460	°F
Cylinder Zone 5 Temp.	420 to 460	°F
Die Temperature	420 to 460	°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