Monprene® CP-32355 (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene® CP-32355, available in NAT and colors, is a high performance thermoplastic elastomer designed for a variety of consumer product applications requiring a soft, rubber-like feel. Monprene® CP-32355 is a low density, medium hardness, transulcent grade that is suitable for extrusion.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Adhesion • Good Colorability • Good Flexibility • Good Melt Strength • Good Processability	• Good Tear Strength • Good Toughness • Halogen Free • High Elongation • High Tensile Strength • Low Compression Set	• Low Density • Low Flow • Medium Hardness • Resilient • Without Fillers
Uses	• Consumer Applications • Diaphragms • Film • Gaskets	• O-rings • Overmolding • Profiles • Rubber Replacement	• Seals • Soft Touch Applications • Tubing
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	• Translucent
Forms	• Pellets		
Processing Method	• Cast Film	• Extrusion	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.892		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2]			ASTM D412
Across Flow : 100% Strain	231	psi	
Flow : 100% Strain	326	psi	
Tensile Stress [2]			ASTM D412
Across Flow : 300% Strain	392	psi	
Flow : 300% Strain	619	psi	
Tensile Strength [2]			ASTM D412
Across Flow : Break	1890	psi	
Flow : Break	785	psi	
Tensile Elongation [2]			ASTM D412
Across Flow : Break	730	%	
Flow : Break	430	%	
Tear Strength [2]			ASTM D624
Across Flow	188	lbf/in	
Flow	300	lbf/in	

Revision Date: 9/10/2024

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Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	56		
Shore A, 5 sec, Injection Molded	54		

Legal Statement

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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.	390 to 480	°F
Cylinder Zone 5 Temp.	390 to 480	°F
Die Temperature	390 to 480	°F

Extrusion Notes

Scew Speed: 30 to 100rpm

Notes

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

[2] Die C, 20 in/min

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