Monprene® CP-28350

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene CP-28350 is a high performance thermoplastic elastomer designed for a variety of consumer product applications requiring a soft, rubber-like feel. Monprene CP-28350 is a low density, medium hardness, lubricated grade that is suitable for injection molding, extrusion, and cast film.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Colorability • Good Processability • Good Stretchability • Halogen Free	• Low Density • Low Specific Gravity • Lubricated • Medium Flow	• Medium Hardness • Resilient • Slip
Uses	• Consumer Applications • Film	• Flexible Grips • Handles	• Rubber Replacement • Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	• Translucent
Forms	• Pellets		
Processing Method	• Cast Film	• Extrusion	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.940		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (200% Strain)	520	psi	ASTM D412
Tensile Stress (300% Strain)	640	psi	ASTM D412
Tensile Strength (Break)	1500	psi	ASTM D412
Tensile Elongation (Break)	740	%	ASTM D412
Tear Strength - Flow [2]	240	lbf/in	ASTM D624
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	51		
Shore A, 5 sec, Injection Molded	49		

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	280 to 320	°F
Middle Temperature	340 to 380	°F
Front Temperature	380 to 420	°F
Nozzle Temperature	400 to 440	°F

Revision Date: 9/23/2020

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Injection	Nominal Value	Unit
Processing (Melt) Temp	340 to 440	°F
Mold Temperature	95 to 120	°F
Injection Pressure	200 to 800	psi
Injection Rate	Fast	
Back Pressure	25.0 to 100	psi
Screw Speed	50 to 100	rpm
Cushion	0.150 to 1.00	in

Injection Notes

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	280 to 320	°F
Cylinder Zone 2 Temp.	340 to 380	°F
Cylinder Zone 3 Temp.	340 to 380	°F
Cylinder Zone 4 Temp.	380 to 420	°F
Cylinder Zone 5 Temp.	380 to 420	°F
Die Temperature	400 to 440	°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

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