Monprene® CP-32273 (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene CP-32273 is a high performance thermoplastic elastomer, available in NAT and colors, designed for a variety of industrial and consumer product applications, including seals and gaskets, requiring low extraction by various solvents. Monprene CP-32273 is a high clarity, medium hardness, low density, elastic grade with good flow that is suitable for injection molding and extrusion.

General

Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Adhesion • Good Colorability • Good Flow • Good Processability	• High Clarity • Kink Resistant • Low Density • Low Extractables • Low Specific Gravity	• Medium Hardness • Resilient • Solvent Resistant
Uses	• Gaskets • Insulation • O-rings	• Rubber Replacement • Seals • Tubing	• Washer
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent	• Colors Available	
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.900		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 (50% Strain)	555	psi	ASTM D412
Tensile Stress (100% Strain)	610	psi	ASTM D412
Tensile Stress (300% Strain)	880	psi	ASTM D412
Tensile Strength (Break)	2090	psi	ASTM D412
Tensile Elongation (Break)	630	%	ASTM D412
Tear Strength	320	lbf/in	ASTM D624
Compression Set			ASTM D395
73°F, 22 hr	21	%	
158°F, 22 hr	82	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec	71		
Shore A, 5 sec	76		

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	300 to 340	°F
Middle Temperature	340 to 380	°F
Front Temperature	380 to 440	°F
Nozzle Temperature	380 to 440	°F
Processing (Melt) Temp	380 to 440	°F
Mold Temperature	70 to 125	°F
Back Pressure	50.0 to 150	psi
Screw Speed	50 to 100	rpm
Cushion	0.140 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.	340 to 370	°F
Cylinder Zone 2 Temp.	360 to 385	°F
Cylinder Zone 3 Temp.	365 to 400	°F
Cylinder Zone 4 Temp.	400 to 440	°F
Cylinder Zone 5 Temp.	400 to 440	°F
Die Temperature	400 to 440	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm.

Screen Pack Recommendation:

60/200/200/60 to 60/200/400/400/200/60 mesh size.

Notes

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

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