Monprene® PR-13230

Teknor Apex Company - Thermoplastic Elastomer

Thursday, April 2, 2026

General Information

Product Description

Monprene PR-13230 is a high performance thermoplastic elastomer designed for a variety of consumer and industrial applications requiring a soft, rubber-like feel, including personal protection face masks. Monprene PR-13230 is a medium hardness, low density, RoHS compliant grade suitable for injection molding and extrusion.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Good Colorability • Good Mold Release • Good Moldability	• Good Processability • Low Density • Low Specific Gravity • Medium Flow	• Medium Hardness • Slip • Without Fillers
Uses	• Consumer Applications • Handles • Knobs	• Protective Coverings • Rubber Replacement • Safety Equipment	• Sporting Goods • Strapping • Writing Instruments
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent	• Colors Available	• Natural Color
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.872		ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2]			ISO 37
Across Flow : 100% Strain	72.5	psi	
Flow : 100% Strain	102	psi	
Tensile Stress [2]			ISO 37
Across Flow : 300% Strain	116	psi	
Flow : 300% Strain	160	psi	
Tensile Strength [2]			ISO 37
Across Flow : Break	885	psi	
Flow : Break	319	psi	
Tensile Elongation [2]			ISO 37
Across Flow : Break	940	%	
Flow : Break	670	%	
Tear Strength [3]			ISO 34-1
Across Flow	34.3	lbf/in	
Flow	40.0	lbf/in	
Compression Set [4, 5]			ISO 815
73°F, 70 hr	15	%	
158°F, 24 hr	33	%	
212°F, 24 hr	54	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 3 sec, Injection Molded)	28		ISO 868

Revision Date: 6/10/2024

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	356 to 446	°F
Middle Temperature	374 to 464	°F
Front Temperature	383 to 473	°F
Nozzle Temperature	392 to 482	°F
Processing (Melt) Temp	392 to 482	°F
Mold Temperature	59 to 95	°F
Injection Rate	Fast	
Screw Speed	50 to 100	rpm

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).

Notes

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

[2] 7.9 in/min

[3] Die B, 20 in/min

[4] Method B

[5] 1 x 6 mm

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