Monprene® CP-15210 NAT XRD1 (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

Wednesday, April 1, 2026

General Information

Product Description

Monprene CP-15210 NAT XRD1, 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-15210 NAT XRD1 is a low density, low hardness, RoHS compliant grade suitable for injection molding.

General			
Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Adhesion • Good Colorability • Good Dimensional Stability • Good Moldability	• Good Processability • Good Processing Stability • Halogen Free • High Flow	• Low Density • Low Hardness
Uses	• Consumer Applications • Overmolding	• Rubber Replacement • Safety Equipment	• Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	• Opaque
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.872		ASTM D792
Melt Mass-Flow Rate (MFR) (150°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Break)	72.5	psi	ASTM D412
Tensile Elongation [2] (Break)	450	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded	12		
Shore A, 5 sec, Injection Molded	10		

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	350 to 390	°F
Middle Temperature	390 to 420	°F
Front Temperature	400 to 430	°F
Nozzle Temperature	390 to 430	°F
Processing (Melt) Temp	390 to 430	°F
Mold Temperature	80 to 120	°F

Revision Date: 10/11/2021

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Injection	Nominal Value	Unit
Injection Rate	Moderate-Fast	
Back Pressure	25.0 to 100	psi
Screw Speed	50 to 100	rpm
Cushion	0.150 to 1.00	in

Notes

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

[2] Die C, 20 in/min

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