



Monprene® PC-913228 NAT XRD1 (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Monprene PC-913228 NAT XRD1 is a high performance thermoplastic elastomer designed for a variety of consumer product applications requiring a soft, rubber-like feel, including toothbrush handles. Monprene PC-913228 NAT XRD1 is a low hardness, medium density, RoHS compliant grade suitable for injection molding.

General

Material Status	• Preliminary Data		
Availability	<ul style="list-style-type: none">• Africa & Middle East• Asia Pacific	<ul style="list-style-type: none">• Europe• Latin America	<ul style="list-style-type: none">• North America
Uses	<ul style="list-style-type: none">• Closures• Consumer Applications• Gaskets• Handles	<ul style="list-style-type: none">• Kitchenware• Medical/Healthcare Applications• Packaging• Safety Equipment	<ul style="list-style-type: none">• Sporting Goods• Toothbrush Handles• Tubing• Writing Instruments
RoHS Compliance	• RoHS Compliant		
Appearance	<ul style="list-style-type: none">• Colors Available	<ul style="list-style-type: none">• Opaque	
Forms	<ul style="list-style-type: none">• Pellets		
Processing Method	<ul style="list-style-type: none">• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.972		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	508	psi	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 sec	30		
Shore A, 5 sec	28		

Injection	Nominal Value	Unit
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).

Notes

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