Monprene® OM-912250 NAT XRD1 (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

Thursday, April 2, 2026

General Information

Product Description

OM-912250 NAT XRD1 is a Thermoplastic Elastomer (TPE) material for injection overmolding applications. It has excellent bonding performance onto PC, ABS and PC/ABS substrates.

General			
Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Overmolding		
RoHS Compliance	• RoHS Compliant		
Appearance	• Black	• Natural Color	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	798	psi	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A	50		
Shore A, 5 sec	48		
Additional Information	**Nominal Value**	**Unit**	
Adhesion to ABS			
Adhesion to PC			
Adhesion to PC/ABS			

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	280 to 320	°F
Middle Temperature	360 to 410	°F
Front Temperature	360 to 446	°F
Nozzle Temperature	392 to 464	°F
Processing (Melt) Temp	392 to 464	°F
Mold Temperature	50 to 104	°F

Notes

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

Revision Date: 8/18/2023

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Teknor Apex Company - Thermoplastic Elastomer

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