

Quadrant EPP Armor-X™ Non-Marring

Thermoplastic

Quadrant Engineering Plastic Products

Message:

Quadrant EPP Armor-X™ Non-Marring is a Thermoplastic product. It is available in North America.

Characteristics include:

- Flame Rated
- Chemical Resistant
- Scratch Resistant

General Information			
Features	Acid Resistant		
	Alcohol Resistant		
	Alkali Resistant		
	Hydrocarbon Resistant		
	Machinable		
	Scratch Resistant		
	Solvent Resistant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.00	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	355	MPa	ASTM D638
Tensile Strength (Ultimate)	22.1	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	303	MPa	ASTM D790
Flexural Strength (Yield)	15.2	MPa	ASTM D790
Compressive Modulus	234	MPa	ASTM D695
Compressive Strength (10% Strain,23°C)	26.9	MPa	ASTM D695
Coefficient of Friction (vs. Steel - Static)	0.20		Internal Method
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	No Break		ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Maximum Use Temperature - Long Term, Air	82	°C	
Peak Crystallization Temperature (DSC)	135	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.18 mm, Estimated Rating)	HB		UL 94

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