



Material Series: MB6000

SERIES DESCRIPTION & APPLICATION

A Low Profile, Automotive Grade Polyester Molding Compound. This material is capable to provide an excellent molded surface. Typical application includes Automotive Headlamps

General Material Properties		
Property (Test Method)	Value	Units
Specific Gravity (ASTM D792)	1.9-2.05	
Mold Shrinkage (ASTM D955)	+0.001 to (-)0.002	in/in
Water Absorption (ASTM D570)	0.1-0.3	%
Barcol Hardness (ASTM D2583)	40-60	Barcol Units

Mechanical Material Properties (Net Shape Molded Coupons)			
Property (Test Method)	Value (US)	Value (Metric)	Units
Tensile Strength (ASTM D638)	5,000-9,000	34-62	psi (MPa)
Flexural Strength (ASTM D790)	15,000-23,000	100-158	psi (MPa)
Flexural Modulus (ASTM D790)	1.6 -2.2 x10 ⁶	11-15	psi (GPa)
Compressive Strength (ASTM D695)	16,000-22,000	110-150	psi (MPa)
Notched Izod Impact (ASTM D256)	3-7	160-370	ft-lb/in (J/m)

Thermal and Electrical Material Properties			
Property (Test Method)	Value (US)	Value (Metric)	Units
Heat Deflection Temperature (ASTM D648)	>500	>260	°F (°C)

All property values are based on test performed on standard ASTM test samples and according to standard ASTM test methods unless otherwise indicated. This information is offered solely for your consideration and is to be used as a guide only. No other warranty is implied.

Contact Us:

CORPORATE HEADQUARTERS

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