



## Material Series: AS8660-B1 1”

### SERIES DESCRIPTION & APPLICATION

AS8660 is a highly engineered Epoxy Sheet Molding Compound. This material was designed to have high strength in outdoor environments.

General Material Properties		
Property (Test Method)	Value	Units
Specific Gravity (ASTM D792)	1.70-1.80	
Mold Shrinkage (ASTM D955)	0.8-1.5	in/in

Material Properties (Cut Bars)			
Property (Test Method)	Value (US)	Value (Metric)	Units
Tensile Strength (ASTM D638)	34-39	235-270	ksi (MPa)
Tensile Modulus (ASTM D638)	3500-4000	24-27	ksi (GPa)
Flexural Strength (ASTM D790)	55-65	380-450	ksi (MPa)
Flexural Modulus (ASTM D790)	2480-2600	17-18	ksi (GPa)
Notched Izod Impact (ASTM D256)	29-37	1550-1950	ft-lb/in (J/m)
Dielectric Strength (ASTM D149)	365-415	14-16	Volts/mil (kV/mm)

Storage Guidelines		
Property	Value	Units
Storage Temperature	<70	F
Shelf life*	16	weeks

This Material Meets the following Specifications:

1. Material - Epoxy Molding Compound
  - 1.1 Glass Fiber Length 0.500 Inch Minimum
  - 1.2 Resin Content 45% Maximum In Accordance with ASTM D3171/Equivalent
  - 1.3 Flexural Strength 45 KSI Minimum In Accordance with ASTM D790/Equivalent
  - 1.4 Dielectric Strength 360 V/Mil Minimum In Accordance with ASTM D149/Equivalent
  - 1.5 Material Shall Be Natural In Color With Fillers That Are Non-Metallic Or Non-Electrically Conductive.

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. \*Shelf life assumes material is shipped to customer via refrigerated truck where temperatures are at or below recommended storage temperatures. Material may continue to mature causing an increase in material viscosity and may be required to be pre-heated prior to molding.

### Contact Us:

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