

A **U.L recognized**, flame retardant, mineral filled, glass fiber reinforced polyester **thermoset molding compound** suitable for compression, transfer, and injection molding. It is currently supplied in bulk form, cut preforms and box length extrusions.

MOLDED PROPERTIES

UL File E107977

TYPICAL

VALUES

PHYSICAL / THERMAL

	SI	SI	US	US
Impact strength (D 256)	J/m	430 - 530	ft-lb/in	8 - 10
Flexural strength (D 790)	MPa	97 - 124	psi	14 - 18,000
Tensile strength (D 638)	MPa	46	psi	6,700
Heat Deflection Temp. (D 648)	°C	>260	°F	>500
Molding temperature	°C	140 - 176	°F	285 - 350
Molding pressure	bar	70 - 140	psi	1000 - 2000
Mold shrinkage (D 955)	mm/mm	.000-.002	in/in	.000-.002
Specific gravity (D 792)				1.91
Flammability (UL 94 @ 1/16")				V-0
Barcol Hardness				30 - 40
Water absorption (D 570) by weight 24 hours			%	0.02
168 hours			%	0.20

ELECTRICAL

Arc resistance (D 495)	Seconds	>180	Seconds	>180
Volume resistivity (D 257)	ohm-cm	9.45 X 10 ¹⁴		
Dielectric strength (D 149)	kV/mm	>20	v/mil	>500
Comparative tracking index (D 3638)			V	>600

The above data was generated based on a specific typical formulation. Variations to satisfy customer requirements may result in different values.

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