

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.

## MOLDED PROPERTIES

UL File E107977

## TYPICAL

## VALUES

	SI	SI	US	US
<b><u>PHYSICAL / THERMAL</u></b>				
<b>Impact strength</b> (D 256)	J/m	534 - 641	ft-lb/in	10 - 12
<b>Flexural strength</b> (D 790)	MPa	138 - 166	psi	20 - 24,000
<b>Tensile strength</b> (D 638)	MPa	50	psi	7,000
<b>Heat Deflection Temp.</b> (D 648)	°C	>260	°F	>500
<b>Molding temperature</b>	°C	140 - 176	°F	285 - 350
<b>Molding pressure</b>	bar	70 - 140	psi	1000 - 2000
<b>Mold shrinkage</b> (D 955)	mm/mm	.000-.001	in/in	.000-.001
<b>Specific gravity</b> (D 792)				1.87
<b>Flammability</b> (UL 94 @ 1/16")				V-0
<b>Barcol Hardness</b>				35 - 45
<b>Water absorption</b> (D 570) by weight 24 hours			%	0.03
<b><u>ELECTRICAL</u></b>				
<b>Arc resistance</b> (D 495)	Seconds	>180	Seconds	>180
<b>Volume resistivity</b> (D 257)	ohm-cm	8.99 X 10 <sup>14</sup>		
<b>Dielectric strength</b> (D 149)	kv/mm	>20	v/mil	>500
<b>Comparative tracking index</b> (D3638)			V	>600

The above data was generated based on a specific typical formulation. Variations to satisfy customer requirements may result in different values.  
10/30/2003

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