

An **EXTREMELY HIGH HEAT RESISTANT**, electrical grade thermoset composite molding compound. Compression, transfer and injection molding grades are available. It is currently supplied in bulk form, cut preforms and box length extrusions.

MOLDED PROPERTIES

TYPICAL

VALUES

	SI	SI	US	US
<u>PHYSICAL / THERMAL</u>				
Impact strength (D 256) AS MOLDED	J/m	133 - 160	ft-lb/in	2.5 - 3.0
POSTCURED 16 HRS @ 475° F,	J/m	90	ft-lb/in	1.70
THEN 8 HRS @ 510° F	J/m	51	ft-lb/in	0.96
THEN POSTCURED 2 HRS @ 800° F	J/m	51	ft-lb/in	0.96
Flexural strength (D 790) AS MOLDED	MPa	48 - 83	psi	7,000 - 12,000
POSTCURED 16 HRS @ 475° F,	MPa	46	psi	6,700
THEN 8 HRS @ 510° F	MPa	23	psi	3,400
THEN POSTCURED 2 HRS @ 800° F	MPa	23	psi	3,400
Heat Deflection Temp. (D648)				
POSTCURED @ 475° F,	°C	>315	°F	>600
Molding pressure	bar	70 - 140	psi	1000 - 2000
Molding temperature	°C	140 - 176	°F	285 - 350
Mold shrinkage (D 955)	mm/mm	.000-.0015	in/in	.000-.0015
Specific gravity (D 792)				2.15
Flammability (@ 1/32")				V-0
Barcol Hardness				51 - 61
<u>ELECTRICAL</u>				
Arc resistance (D 495)	Seconds	>255	Seconds	>255
THEN POSTCURED 10 DAYS @ 660° F,	Seconds	>300	Seconds	>300
Dielectric strength (D 149)	kV/mm	>15.5	v/mil	>400

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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