

A glass & mineral filled **SILICONE THERMOSET** molding compound designed  
For components requiring extreme high temperature performance.

<u>MOLDED PROPERTIES</u>	<u>TYPICAL</u>		<u>VALUES</u>	
	SI	SI	US	US
<b>Form</b>				Granular or performs
<b>Molding Temperature (D 954)</b>	o C	166-177	o F	330-350
<b>Molding Transfer Pressure (D 957)</b>	MPa	0.7 – 2.6	psi	100 – 400
<b>Specific Gravity (D 792)</b>		1.85 – 2.00		1.85 - 2.0
<b>Shrinkage</b>	mm/mm	.002-.007	in/in	.002-.007
<b>Barcol Hardness</b>				45 - 50
<u>THERMAL</u>				
<b>Continuous operating temperature</b>	o C	426	o F	800
<b>Flammability (UL 94 @ 1/8”</b>		V0		V0
<u>MECHANICAL</u>				
<b>Impact Strength (D 256)</b>	J/m	21 - 32	ft-lb/in	0.4 – 0.6
<b>Flexural Strength (D 790)</b>	MPa	20 - 48	psi	3000-7000
<b>Spiral flow (D3123-72) MESA</b>			in	10 – 40 Depending on customer requirements
<b>Coefficient of Linear Thermal Expansion (E831)</b>	mm/mm/deg C	43.00631 x 10 <sup>-6</sup>		
<u>ELECTRICAL</u>				
<b>Arc Resistance (D 495)</b>			Sec	>240
<b>Dielectric Strength (D149)</b>			kV/mm	16.8
			V/mil	427

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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