

**MAX GPE****Physical Properties**

<b>Viscosity</b>	<b>900 cPs Mixed</b>
<b>Mix Ratio</b>	<b>100 parts A to 50 parts B by weight or volume</b>
<b>Working Time</b>	<b>65 Minutes at 200 Gram Mass</b>
<b>Peak Exotherm</b>	<b>160oC</b>
<b>Time To Reach Peak</b>	<b>80 Minutes</b>
<b>Density</b>	<b>1.10 g/cc Cured</b>
<b>Cure Time</b>	<b>1 to 3 days at 25oC</b>
<b>Heat Cure</b>	<b>2 Hours @ 25oC Plus 1 Hour @ 120oC</b>
<b>Set-To-Dry @ 10 Mil Film</b>	<b>6 Hours</b>
<b>Surface Dry</b>	<b>9 Hours</b>
<b>Handling Time</b>	<b>8 Hours</b>

**Mechanical Properties (1)**

<b>Test Criteria</b>	<b>Room Temp Cure</b>	<b>Room Temp + Heat Cure</b>
<b>Hardness</b>	<b>78 D</b>	<b>81 D</b>
<b>Izod Impact ft-lb/in</b>	<b>.13</b>	<b>.19</b>
<b>Tensile Shear Strength psi</b>	<b>3,100</b>	<b>3,765</b>
<b>Tensile Strength psi</b>	<b>9,600</b>	<b>12,300</b>
<b>Tensile Modulus psi</b>	<b>460,000</b>	<b>489,120</b>
<b>Ultimate Elongation %</b>	<b>3.8</b>	<b>2.3</b>
<b>Heat Distortion Temperature</b>	<b>84oC</b>	<b>110oC</b>
<b>Compressive Strength</b>	<b>12,300</b>	<b>13,000</b>
<b>24 Hours Water Boil % Weight Gain</b>	<b>2.2</b>	<b>1.8</b>

## Electrical Properties (1)

	@ 23oC	@ 40oC	@ 60oC	@ 100oC
<b>Dielectric Constant 100 Hz ASTM D-150</b>	4.7	4.7	4.7	5.4
<b>Dissipation Factor 100Hz</b>	3.4 x 10-3	3.1 x 10-3	3.5 x 10-3	6.9 x 10-3
<b>Volume Resistivity Ohm-cm</b>	5.0 x 10 <sup>15</sup>	3.4 x 10 <sup>15</sup>	2.6 x 10 <sup>14</sup>	2.4 x 10 <sup>14</sup>
<b>Dielectric Strength V/mil</b>	1/8 Inch Thick 558			

(1) Cured 2 hours at 80oC plus 3 hours 125oC