

## EP7921 TOUGHENED EPOXY RESIN ADHESIVE

### ● PRODUCT DESCRIPTION

EP7921 is a two-component, high strength epoxy based adhesive, encapsulation and potting compound. EP7921 is specifically developed for bonding difficult substrates such as glass, ceramics, metals and engineered plastics. It bonds well to glass, rubber, metals, and ceramic. Resistant to moisture, antifreeze solutions, automotive fluids, detergents, gasoline, hydraulic fluids, plasticizers, cleaning agents, acids, and bases.

### ● CURING PROPERTIES

<b>Pot Life @ 25 ± 2°C,:</b>	30 min. (Viscosity doubles)
<b>Full Cure @ 25 ± 2°C,:</b>	48 hrs.
<b>@ 65 ± 2°C,:</b>	1 hr.

### ● UNCURED PROPERTIES

<b>Base:</b>	Epoxy
<b>Color:</b>	Black
<b>Specific Gravity:</b>	1,2gr/cm <sup>3</sup>
<b>Viscosity (cps):</b>	50000(mixed)
<b>Mix ratio:</b>	100:50(by weight/volume)

### ● CURED PROPERTIES

<b>Hardness Shore D:</b>	85
<b>Operating Temp.:</b>	-55°C to 150°C
<b>Lap Shear Strength(Al/Al):</b>	35N/mm <sup>2</sup>
<b>Water Absorption(24 hours boiling water):</b>	0,6%

### ● ELECTRICAL PROPERTIES (CURED):

<b>Volume Resistivity (Ω-cm)</b>	2,4 x 10 <sup>14</sup>
<b>Dielectric Constant 120 Hz</b>	4,3
<b>Dielectric Strength</b>	700Volts/mil
<b>Dissipation Factor 120 Hz</b>	0,002
<b>1000 Hz</b>	0,002

### ● INSTRUCTIONS FOR USE

- The surfaces should be free of dust, oil and other dirt in order to obtain an optimal efficient bond.
- Shelf life: Store in original, unopened containers for 12 months at room temperature

