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## **TECHNICAL DATA SHEETS**

### **MP 54190GR**

#### **Description:**

MP 54190 GR is a medium viscosity polyamide/epoxy adhesive recommended for bonding applications where high shock impact resistance and peel resistance are desired. This 1 : 1 ratio, two part adhesive is easily mixed and cured at room temperature and develops tough, strong bonds to a wide variety of materials, including metals, glass, ceramics and plastics. Fully cured MP 54190 GR bonds offer superior thermal shock resistance, mechanical, electrical, electrical and impact dimensional stability and resistance to water, weather, oxygen and ozone, most petroleum products, mild acids and alkalis and many other chemicals.

#### **Physical Characteristics:**

Color:	Transparent or Gray
Specific Gravity:	1.23
Hardness, Shore D	78
Dielectric Strength,	460 Volts/mil
Operating Temperature Range:	- 60 to 110 ° C
Coefficient of Expansion ( cm / cm c )	58 x 10 <sup>6</sup>

#### **Handling Characteristics:**

Mix ratio by weight: (RESIN/HARDENER)	100/100
Mixed viscosity @ 25° C	60,000 cps
Pot life, @ 25° C	20 - 40 minutes
Cure Schedule:	48 hours @ 25° C
	2 hours @ 65° C

#### **Application:**

This system is recommended for low-stress, high impact/high peel strength bonding applications of dissimilar materials. Some proven applications are repairing strain gages, sealing seams on fiberglass components, repair of printed circuits, bonding stainless inserts inside potentiometer, bonding glass o aluminum, bonding of Pyrex, wire to Lucite, rubber hose to steel tubing, metal to fiberglass, repairing plastic laminates and sealing polyurethane foam.

#### **Shelf Life:**

Shelf life is twelve (12) months when stored below 90 °F out of sunlight and in original sealed containers. Shelf life will vary with speciality packaging.

### **Engineering Excellence**

For technical information  
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