

Revised  
January 2002



**EMERGENCY PHONE 1-800-255-3924**

## **TECHNICAL DATA SHEETS**

### **RP500**

#### **Description:**

Medium setting: general purpose adhesive designed to bond a wide variety of similar or dissimilar materials. The product is a versatile adhesive offering good climatic, thermal and impact resistance. It's elasticity makes it ideal for bonding dissimilar materials. Handling strength in 10 to 15 seconds. RP 500 has a viscosity of 500 cps and is capable of filling gaps up to .007.

#### **Physical Properties:**

COLOR:	Clear
VISCOSITY:	500cps
BASE:	Ethyl
STRENGTH:	2700 / 4300
TEMPERATURE RANGE:	- 65 - 200°F
CURE SPEED: (FIXTURE)	10 seconds
FULL CURE:	8 hours
MIL A 46050	Type II Class I
SPECIFIC GRAVITY	1.05
SOLUBLE IN:	Remove Debonder

#### **Storage**

The RP series is ideally stored in a cold, dry location in unopened containers. Optimal storage temperature is under 50°F. To prevent contamination of unused product, do not return any material to its original container. For specific shelf life contact Adhesive Systems Inc.

#### **Handling Characteristics:**

Shear Strength, ASTM D1002, DIN 53283	Value	Range
Grit Blasted Steel, N/mm <sup>2</sup> (psi)	28 (3770)	24 to 32 (3195 to 4355)
Etched Aluminum, N/mm <sup>2</sup> (psi)	20 (3770)	16 to 24 (3195 to 4355)
ABS, N/mm <sup>2</sup> *	>7 (>885)	
PVC, N/mm <sup>2</sup> *	>5 (>640)	
Polycarbonate, N/mm <sup>2</sup> *	>6 (>825)	
Phenolic, N/mm <sup>2</sup> *	12 (160)	6 to 18 (775 to 2450)
Neoprene rubber, N/mm <sup>2</sup> *	>12 (>1600)	
Nitrile rubber, N/mm <sup>2</sup> *	>12 (>1600)	
Tensile Strength, ASTM D2095, DIN 53283		
Grit Blasted Steel, N/mm <sup>2</sup> (psi)	20 (3000)	14 to 28 (1900 to 4000)

\* Substrate Failure