

Revised  
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9411 Corsair Road  
Frankfort, IL 60423  
1-800-552-0299 Phone  
1-815-464-5650 Fax

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

## TECHNICAL DATA SHEETS

### RP45

#### 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 45 has a viscosity of 45 cps and is capable of filling gaps up to .004.

#### Physical Properties:

COLOR: Clear  
VISCOSITY: 45cps  
BASE: Ethyl  
STRENGTH: 2700 / 4300  
TEMPERATURE RANGE: - 65 - 200°F  
CURE SPEED: 10 seconds  
(FIXTURE)  
FULL CURE: 8 hours  
MIL A 46050 Type II  
Class I  
SPECIFIC GRAVITY 1.05  
SOLUBLE IN: Remove Debonder

#### Handling Characteristics:

Shear Strength, ASTM D1002, DIN 53283	Value	Range
Girt 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		

### Engineering Excellence

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