

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

### RP100

#### 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 8 to 12 seconds. RP 100 has a viscosity of 100 cps and is capable of filling gaps up to .006.

#### Physical Properties:

COLOR:	Clear
VISCOSITY:	100cps
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
	<b>% of initial strength</b>
	100 hr 500 hr 1000 hr
Heat/Humidity 95% RH	40 °C 84 77 68

#### 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

#### 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

#### Engineering Excellence

For technical information  
and support call **1-800-552-0299** or visit our website at

**[www.instantca.com](http://www.instantca.com)**