

# RP 1225 R/H

## FINISH SPLINING MATERIAL

Ren<sup>®</sup> RP 1225 resin and hardener is an easy-to-work, sag-resistant, white epoxy paste especially designed for finish splining. It can also be used for surface repair of master models and room-temperature tools plus many other tooling applications. It has a fast set time and offers good bonding characteristics between successive coats. It works especially well over Ren RP 1220 R/H base spline.

### MIX RATIO

	By Weight:	By Volume:
Resin to Hardener	100 to 18	100 to 25

### TYPICAL HANDLING PROPERTIES\*

	<u>ASTM Method</u>	<u>Resin</u>	<u>Hardener</u>	<u>Mixed</u>
Color	Visual	White	Light Amber	White
Specific Gravity	D-1963	1.40–1.47	1.10–1.20	
Sag Resistance	D-2730-68			Pass 1/4" Fail 1/2"
Gel Time, 4 fl. oz, minutes	D-2471			15

**NOTE:** These physical properties are reported as typical test values obtained by our test laboratory. If assistance is needed in establishing product specifications, please consult with our Product Management Department.

### RECOMMENDED CURE SCHEDULE

1. 77°F (25°C) at 7 days

### TYPICAL CURED PROPERTIES\*

	<u>ASTM Method</u>	<u>Cure Value</u>
Density, lb./ft <sup>3</sup> (g/cm <sup>3</sup> )	D-792	90 (1.44)
Cubic Inch per Pound	D-792	19.2
Hardness, Shore D	D-2240	88
Ultimate Flexural Strength, psi	D-790	7,800
Flexural Modulus, psi	D-790	700,000
Ultimate Tensile Strength, psi	D-638	4,500
Tg by DMA, E", °F(°C)	D-4065	176 (80)
Deflection Temperature, °F(°C)	D-648	140 (60)
Ultimate Compressive Strength, psi	D-695	14,300
Compressive Modulus, psi	D-695	6,600,000
Coefficient of Thermal Expansion	D-3386	
		3,000 x 10 <sup>-6</sup>
		5,400 x 10 <sup>-6</sup>
Linear Shrinkage, in/in**	D-2566	0.002

\* Tested @ 77°F (25°C) unless otherwise noted.

\*\* Molds are half round steel, 10 inches long, 0.875 inches deep

**SAFETY:** Do not use or handle this product until the Material Safety Data Sheet has been read and understood.

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