

RP 200 R/H

ALUMINUM-FILLED EPOXY CASTING SYSTEM

Ren[®] RP 200 resin and hardener is an aluminum-filled casting resin specifically designed for low shrinkage and low exothermic casting. RP 200 R/H has low mixed viscosity, which produces high-detail and low-void castings.

MIX RATIO

Resin to Hardener	By Weight:	By Volume:
	100 to 10	100 to 19

TYPICAL HANDLING PROPERTIES*

	<u>ASTM Method</u>	<u>Resin</u>	<u>Hardener</u>	<u>Mixed</u>
Color	Visual	Grey	Amber	Grey
Specific Gravity	D-1963	1.83–1.86	0.95–0.97	
Viscosity, cP	D-2393	80,000	3,700	25,000
Gel Time, 15 fl. oz, minutes	D-2471			90

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 ³ (g/cm ³)	D-792	109 (1.74)
Cubic Inches per Pound	D-792	15.9
Hardness, Shore D	D-2240	88
Ultimate Flexural Strength, psi	D-790	10,600
Flexural Modulus, psi	D-790	816,000
Ultimate Tensile Strength, psi	D-638	6,000
Tensile Modulus, psi	D-638	1,150,000
Tg by DMA, E", °F(°C)	D-4065	158 (70)
Ultimate Compressive Strength, psi	D-695	12,000
Compressive Modulus, psi	D-695	354,000
Coefficient of Thermal Expansion	D-3386	
		-22 to 86°F, in/in/°F
		-30 to 30°C, in/in/°C
Linear Shrinkage, in/in**	D-2566	13.1 x 10 ⁻⁶ 23.6 x 10 ⁻⁶ 0.0017

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

** Molds are half round steel, 10 inches long, 2.250 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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