

RP 3262 R/H

SURFACE CASTING SYSTEM

REN[®] RP 3262 resin and hardener is a surface casting, general purpose, aluminum-filled material. Easily mixed, this system cures at room temperature. RP 3262 R/H provides extremely accurate detail reproduction and is recommended for most casting applications up to ½ inch thicknesses.

MIX RATIO

	By Weight:	By Volume:
Resin to Hardener	100 to 10	100 to 16

TYPICAL HANDLING PROPERTIES*

	<u>ASTM Method</u>	<u>Resin</u>	<u>Hardener</u>	<u>Mixed</u>
Color	Visual	Gray	Clear amber	Gray
Specific Gravity	D-1963	1.73	1.04	
Viscosity, cP	D-2393	18,000	3,200	20,000
Gel Time, 4 fl. oz, minutes	D-2471			45

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	106 (1.70)
Cubic Inch per Pound	D-792	16.3
Hardness, Shore D	D-2240	86
Ultimate Flexural Strength, psi	D-790	10,300
Flexural Modulus, psi	D-790	1,200,000
Ultimate Tensile Strength, psi	D-638	7,300
Tg by DMA, E", °F(°C)	D-4065	180 (82)
Deflection Temperature, °F(°C)	D-648	133 (56)
Ultimate Compressive Strength, psi	D-695	14,400
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	27.0 x 10 ⁻⁶
		48.6 x 10 ⁻⁶
		0.003

* 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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