

Ren:C:O-Thane[®]

Polyurethanes

RP 6444 R/H

A SEMI-RIGID, SHORE 60±5D ELASTOMER

Ren[®] RP 6444 resin and hardener is an extremely effective semi-rigid, light amber, two-component polyurea elastomer for applications in which wear resistance is critical. RP 6444 R/H develops excellent physical properties when cured at room temperature without containing MOCA, TDI, or MDA. The low viscosity and good working life allows easy handling and release of trapped air.

MIX RATIO

	By Weight:	By Volume:
Resin to Hardener	100 to 60	100 to 60

TYPICAL HANDLING PROPERTIES*

	<u>ASTM Method</u>	<u>Resin</u>	<u>Hardener</u>	<u>Mixed</u>
Color	Visual	Light yellow	Amber	Amber
Specific Gravity	D-1963	1.04	1.06	
Viscosity, cP	D-2393	7,500	95	2,500
Gel Time, 4 fl. oz, minutes	D-2471			27

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 1 Value</u>
Density, lb./ft ³ (g/cm ³)	D-792	66 (1.05)
Cubic Inch per Pound		26.4
Hardness, Shore D	D-2240	60 ± 5
Ultimate Tensile Strength, psi	D-638	3,400
% Elongation	D-638	325
Tear Strength, ppi	D-624	550
Linear Shrinkage, in/in**	D-2566	0.001

* 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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