

Ren:C:O-Thane[®]

Polyurethanes

RP 6443 R/H

A WEAR-RESISTANT, SEMI-RIGID SHORE 95±5A ELASTOMER

Ren[®] RP 6443 resin and hardener is a two-component elastomer designed for tooling applications. When fully cured, RP 6443 R/H exhibits excellent physical strength and abrasion resistance. RP 6443 R/H contains no MOCA, TDI, or MDA, and develops excellent physical properties when cured at room temperature.

MIX RATIO

Resin to Hardener	By Weight:	By Volume:
	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	Light amber	Amber
Specific Gravity	D-1963	1.04	1.035	
Viscosity, cP	D-2393	8,000–12,000	60–90	2,450
Gel Time, 4 fl. oz, minutes	D-2471			19

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 (1.06)
Cubic Inch per Pound		26.1
Hardness, Shore A	D-2240	95 ± 5
Ultimate Tensile Strength, psi	D-638	3,500
% Elongation	D-638	475
Tear Strength, ppi	D-624	375
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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