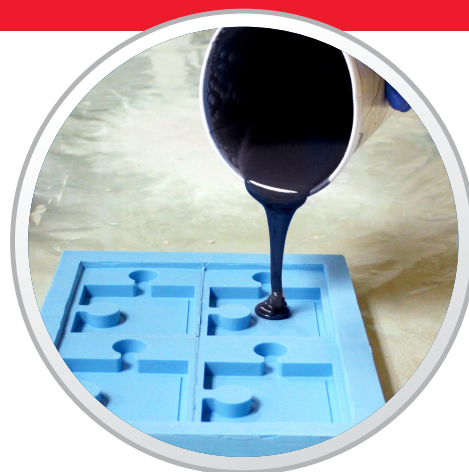




RAPID CURE POLYURETHANE ELASTOMERS

➔ **Rapid Cure Polyurethane Elastomers** produce parts that simulate the appearance and performance of injection-molded thermoplastic parts. The short gel times permit fast demolding of durable parts. These low-viscosity systems are designed to be used with automated dispensing equipment and low-cost tooling.



Specifications

	Mix Ratio R:H (by wt.)	Mix Ratio R:H (by vol.)	Gel Time (sec.) @ 72°F	Demold Time (min.) @ 72°F	Hardness (Shore D)	Viscosity R/H (cps)	Density (g/cc)	Volumetric Yield (in. ³ /lb.)	Compressive Strength (psi)	Flexural Strength (psi)	Flexural Modulus (psi)	Tensile Strength (psi)	Izod Impact (ft. lb./in.)	Deflection Temp. (°F)	C.T.E. (in./in./°F)	Color
RenPIM 6450 (Discontinued) <i>See Freeman 2450</i>	80:100	67:100	45-65	15-30	77	170/1,600	1.13	23.9	23,100	7,000	184,000	4,900	0.90	208	67 x 10 ⁻⁶	Black
RenPIM 6452 (Discontinued) <i>See Freeman 2450</i>	80:100	67:100	50-70	15-30	79	30/1,600	1.15	24.1	18,000	8,500	198,000	4,900	0.84	179	71 x 10 ⁻⁶	Off White
RenPIM 6460 (Discontinued) <i>See Freeman 2450</i>	80:100	67:100	50	10-15	80	170/1,500	1.18	23.5	24,500	7,900	174,000	5,300	1.00	-	69 x 10 ⁻⁶	Black
Freeman 2450	80:100	67:100	45-65	15-30	77	200/1,600	1.15	24	23,100	7,000	184,000	4,900	0.90	250	67 x 10 ⁻⁶	Black
RenPIM 6458 (Discontinued) <i>No direct alternative</i>	100:85	1:1	50	15	86	75/400	1.21	22.9	14,100	16,500	432,000	10,200	0.87	129	43 x 10 ⁻⁶	Clear Amber
ASTM	-	-	D-2471	-	D-2240	D-2393	D-792	D-792	D-695	D-790	D-790	D-638	D-256	D-648	D-696-88	-

Freeman 2450

- ▶ 45-65 sec. gel time
- ▶ 15-30 min. demold
- ▶ 77 Shore D
- ▶ Black

Freeman 2450 is a quick-curing urethane that can be demolded in 15 to 30 minutes. It offers high dimensional stability, heat resistance and impact strength. Ideal for rapid prototyping or short run production parts. Parts

can be cured at room temperature, however a post cure is required to achieve maximum properties.

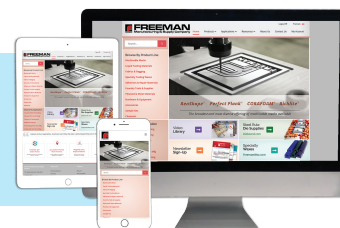


For part numbers, technical documents, and ordering, visit our website at www.FreemanSupply.com.



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