

HP 8503

Product Information

HP 8503 is a High Performance, rigid polyurethane foam designed for processing through plural component, low or high-pressure dispensing equipment or mixing and pouring by hand. Once fully cured, this material is tough with high compression and tensile value. HP 8503 is Eco friendly and considered "Green" because it uses no CFC's or HCFC's.. HP 8503 is an excellent choice for insulation compared to fiberglass.

Physical Properties (Components)

	Component A	Component B
Viscosity at 75°F (cps)	160 - 220	500 - 700
Specific Gravity (gr/ml)	1.21 - 1.23	1.08 - 1.10

Physical Properties (Final Product)

Compression Value ASTM D-1621 (psi)	26 - 45 psi
K-Factor ASTM C-518 (BTU in/hr ft^2 deg F)	.170 - .180
Closed Cell Content ASTM D-2842 (%)	> 93
Water Absorption ASTM D-2842 (%)	.03 - .035
Water Vapor Permeability ASTM E-96	3.0
Dimensional Stability ASTM D-2126 (%)	1.6

Handling Characteristics

Mix Ratio by Volume (A:B):	50 / 50
Cream Time (seconds)	35 - 45
Gel Time (at 75°F), (seconds)	120 - 135
Rise Time (seconds)	135 - 165
Tack Free Time (seconds)	190 - 270
Demold Time (minutes)	10 - 30
Final Cure Time (hours)	24
Density (pcf)	2.1 - 2.8

Storage and Shelf Life

Components A and B should be kept well sealed in a dry place at a temperature between 65 and 90°F. Shelf life of unopened containers is six (6) months from manufacturing date. Purge opened containers with dry nitrogen before resealing. Refer to product MSDS for more information.

Packaging

Component A:	55 gallon steel drum (closed top)	500 lb Net Weight
	275 gallons plastic bins	2500 lb Net Weight
Component B:	55 gallons steel drum (open top)	450 lb Net Weight
	275 gallons plastic bins	2250 lb Net Weight

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