

HP 8102

Product Information

HP 8102 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 8102 exhibits very good surface characteristics and excellent moldability. HP 8102 is a good fit for taxidermy applications.

Physical Properties (Components)

	Component A	Component B
Viscosity at 75°F (cps)	200 - 250	1000 - 1500
Specific Gravity (gr/ml)	1.21 - 1.23	1.08 - 1.10

Physical Properties (Final Product)

Shear Strength (ASTM D-273)	125 psi
Tensile Strength (psi) (ASTM D-1623)	235
Elongation (%), ASTM D-412	3%
Free Rise Density (pcf)	2.4 - 3.0

Handling Characteristics

Mix Ratio by Weight (A/B)	52 / 48
Mix Ratio by Volume (A/B)	50 / 50
Cream Time at 75°F(seconds)	40 - 50
Gel Time at 75°F (seconds)	90 - 110
Rise Time (seconds)	110 - 140
Tack Free Time (seconds)	170 - 200
Demold Time (minutes)	10 - 45
90% Cure Time (hours)	24

Storage and Shelf Life

Components should be kept well sealed in a dry place from 70 to 90°F. Shelf life of unopened containers is six (6) months from manufacturing date. Mix Component B well prior to each use. Purge opened containers with dry nitrogen before resealing. Refer to product SDS for more information.

Packaging

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

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