

## HP 8114 FR

### Product Information

HP 8114 FR is a medium-density, rigid polyurethane molding foam system containing a fire retardant additive, designed for processing through plural component dispensing equipment. This material is eco-friendly due to no HCFC's or HFC's. This product is recommended for molding intricate decorative simulated wood furniture parts, moldings, picture frames and other decorative parts. HP 8114 FR easily accepts paints and stains.

### Physical Properties (Components)

	Component A	Component B
Viscosity at 75°F (cps)	180 - 220	500 - 700
Specific Gravity (gr/ml)	1.22 - 1.24	1.08 - 1.10

### Physical Properties (Final Product)

Free Rise Density (pcf)	13.50 - 15.50
Shear Strength (ASTM D-273)	125 psi
Closed cell content (ASTM D-1940)	Over 93%
Compressive Strength (psi) (ASTM D-1620)	210
Tensile Strength (psi) (ASTM D-1623)	235
Flexural Strength (psi) (ASTM D-790)	95

### 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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