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HP 8050

Product Information

HP 8050 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 8050 exhibits very good surface characteristics and excellent moldability.

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)

Compression Value ASTM D – 1621	60 - 65 psi
Tensile Strength (psi), ASTM D - 412	60 - 65 psi
Shear Strength ASTM D – 790	45 - psi
Flexural Strength ASTM D – 790	31 - psi

Handling Characteristics

Mix Ratio by Weight (A:B):	52 / 48
Mix Ratio by Volume (A:B):	50 / 50
Cream Time (seconds)	40 - 50
Gel Time (at 75°F), (seconds)	130 - 150
Rise Time (seconds)	190 - 200
Tack Free Time (seconds)	200 - 220
Demold Time (minutes)	45 - 60
Final Cure Time (hours)	24
Density (pcf)	4.0 – 4.4

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 gallons 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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