

HP 8210

Product Information

HP 8210 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 values. HP 8210 exhibits very good surface characteristics and excellent moldability.

Physical Properties (Components)

	Component A	Component B
Viscosity at 75°F (cps)	200 - 250	500 - 700
Specific Gravity (gr/ml)	1.21 - 1.23	1.08 - 1.10

Physical Properties (Final Product)

Compression Value (ASTM D – 1621)	120 psi
Tensile Strength (ASTM D-412)	235 psi
Closed Cell Content	>94%
Shear Strength (ASTM D-273)	118 psi
Flexural Strength (ASTM D-790)	85 psi
Density	8 - 9

Handling Characteristics

Mix Ratio by Weight (A:B):	52 / 48
Mix Ratio by Volume (A:B):	50 / 50
Cream Time (seconds)	60 - 70
Gel Time (at 75°F), (seconds)	150 - 170
Rise Time (seconds)	220 - 260
Tack Free Time (seconds)	260 - 300
Demold Time (minutes)	10 - 45
Final Cure Time (hours)	24

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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