



Product Information

HP 8102-1 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 8102-1 exhibits very good surface characteristics and excellent moldability. This material is Eco Friendly due to its lack of HCFC's and HFC's.

Physical Properties (Final Product)	Units	Test Method	Results
Free Rise Density	pcf	ASTM D-1622	2.0 - 2.4
Compressive Strength	psi	ASTM D-1621	45 - 55
Tensile Strength	psi	ASTM D-1623	35 - 40
Shear Strength	psi	ASTM D-273	35 - 45
Elongation	%	ASTM D-1623	-
Tear Strength	pli	ASTM D-624	-

Handling Characteristics	Units	Component A	Component B
Mix Ratio by Volume	(A/B)	50	50
Mix Ratio by Weight	(A/B)	52	48
Specific Gravity @ 75°F	g/mL	1.21 - 1.23	1.08 - 1.10
Viscosity @ 75°F	cPs	150 - 250	1000 - 1500
Color	-	Amber	Opaque/Beige-ish
Cream Time @ 75°F	Seconds	75 - 90	
Gel Time @ 75°F	Seconds	270 - 290	
Rise Time	Seconds	360 - 390	
Tack Free Time	Seconds	600 - 900	
Demold Time	Minutes	30 - 60	
Final Cure Time	Hours	24	

Properties are typical and not for specifications

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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