



**Product Information**

HP 8705 is a medium density rigid polyurethane molding foam system designed for processing through plural component dispensing equipment. Once fully cured, this material is tough with high compression and tensile value. HP 8705 exhibits very good surface characteristics and excellent moldability. HP 8705 is used in high temperature applications and is dimensionally stable up to 300 degrees F. It is designed for highly intricate molding applications.

Physical Properties (Final Product)	Units	Test Method	Results
Free Rise Density	pcf	ASTM D-1622	4.8 - 5.2
Compressive Strength	psi	ASTM D-1621	70 - 80
Tensile Strength	psi	ASTM D-1623	-
Elongation	%	ASTM D-1623	-
Shear Strength	psi	ASTM D-273	-
Tear Strength	pli	ASTM D-790	-
K Factor	BTU-in/hr-ft <sup>2</sup> -°F	ASTM C-177	-
Closed Cell %	%	ASTM D-2856	-

Handling Characteristics	Units	Component A	Component B
Mix Ratio by Volume	(A/B)	50	50
Mix Ratio by Weight	(A/B)	53	47
Specific Gravity @ 75°F	g/mL	1.22 - 1.24	1.08 - 1.10
Viscosity @ 75°F	cPs	150 - 250	2500 - 2700
Color	-	Dark Amber	Amber
Cream Time @ 75°F	Seconds	40 - 60	
Gel Time @ 75°F	Seconds	100 - 140	
Rise Time	Seconds	140 - 180	
Tack Free Time	Seconds	170 - 210	
Demold Time	Minutes	15	
Final Cure Time	Hours	1	

\*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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