



Product Information

HP 8704 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 8704 exhibits very good surface characteristics and excellent moldability. HP 8704 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	3.8 - 4.2
Compressive Strength	psi	ASTM D-1621	40 - 50
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 ² -°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	2400 - 2600
Color	-	Dark Amber	Amber
Cream Time @ 75°F	Seconds	40 - 60	
Gel Time @ 75°F	Seconds	120 - 160	
Rise Time	Seconds	180 - 220	
Tack Free Time	Seconds	220 - 260	
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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