



Product Information

HLS 8503 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. HLS 8503 exhibits very good surface characteristics and excellent moldability.

Physical Properties (Final Product)	Units	Test Method	Results
Free Rise Density	pcf	ASTM D-1622	2.9 - 3.1
Compressive Strength	psi	ASTM D-1621	45
Tensile Strength	psi	ASTM D-1623	65
Shear Strength	psi	ASTM D-273	-
Elongation	%	ASTM D-1623	3
Tear Strength	pli	ASTM D-624	-

Handling Characteristics	Units	Component A	Component B
Mix Ratio by Volume	(A/B)	-	-
Mix Ratio by Weight	(A/B)	62	38
Specific Gravity @ 75°F	g/mL	1.21 - 1.23	1.18 - 1.20
Viscosity @ 75°F	cPs	200 - 250	900 - 1000
Color	-	Amber	Amber
Cream Time @ 75°F	Seconds	30 - 35	
Gel Time @ 75°F	Seconds	60 - 80	
Rise Time	Seconds	90 - 110	
Tack Free Time	Seconds	90 - 110	
Demold Time	Minutes	10 - 45	
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

For more information contact Eteco, Inc. (714) 480-1370 | info@etecoinc.com
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