

UNI-LITE HP 80GV

UNI-LITE HP 80GV is a casting and gunning refractory designed for use in hydrocarbon processing applications. It is well suited for areas requiring a mid-weight density.

Service Temperature:	2500°F	1370°C
Water Required to Cast:	26.0%	26.0% *
Material Required (gunned):	82 (83) lbs/ft ³	1314 (1330) kg/m ³

TYPICAL CHEMICAL ANALYSIS, %

Al ₂ O ₃	SiO ₂	TiO ₂	Fe ₂ O ₃	CaO	Alkalies
35.1	54.9	0.8	2.0	5.6	1.6

TYPICAL PHYSICAL PROPERTIES

Pre-Fired To		Bulk Density		Cold Compressive Strength		Cold Modulus of Rupture		Total Linear Change %	
°F	°C	Cast (lbs/ft ³)	Gunned (lbs/ft ³)	Cast (psi)	Gunned (psi)	Cast (psi)	Gunned (psi)	Cast	Gunned
220	105	89	91	1,800	2,500	500	700	-0.1	-0.1
1500	815	82	83	1,100	2,100	400	500	-0.4	-0.4
2000	1095	82	82	1,100	1,800	400	500	-0.5	-0.5

K-values (BTU-in/hr/ft²/°F)

	400°F	800°F	1200°F	1600°F	2000°F
Cast	2.99	3.10	3.28	3.52	3.95
Gunned	3.07	3.18	3.35	3.60	4.01

*SCAN THE QR CODE FOR SPECIFIC MIXING GUIDELINES.



Revision date: 7/24/2024 - Check with your URC sales rep to determine if you have the current sheet