

UNI-LITE HP 80V+

UNI-LITE HP 80V+ is a premium castable refractory designed for use in hydrocarbon processing applications. It is well suited for areas requiring a mid-weight density with superior strength and lower iron content.

Service Temperature:	2500°F	1370°C
Water Required to Cast:	16.3%	21.5% *
Material Required:	82 lbs/ft ³	1362 kg/m ³

TYPICAL CHEMICAL ANALYSIS, %

Al ₂ O ₃	SiO ₂	TiO ₂	Fe ₂ O ₃	CaO	Alkalies
42.0	46.7	1.0	2.5	5.8	1.0

TYPICAL PHYSICAL PROPERTIES

Pre-Fired To		Bulk Density		Cold Compressive Strength		Cold Modulus of Rupture		Total Linear Change %
°F	°C	lbs/ft ³	kg/m ³	psi	MPa	psi	MPa	%
220	105	88	1410	5,000	34	1,300	9	-0.1
1500	815	85	1360	4,000	28	1,000	7	-0.3
2000	1095	83	1330	4,500	31	1,100	8	-0.4
2550	1400	80	1280	3,400	23	1,000	7	-0.3
2732	1500	88	1410	4,500	31	1,100	8	0.3

K-values (BTU-in/hr/ft²/°F)

	400°F	800°F	1200°F	1600°F	2000°F	2400°F
Cast	3.23	3.34	3.50	3.74	4.13	4.29

*SCAN THE QR CODE FOR SPECIFIC MIXING GUIDELINES.



Revision date: 8/05/2024 - Check with your URC sales rep to determine if you have the current sheet