

## UNI-LITE HP 50GV

UNI-LITE HP 50GV is a casting and gunning refractory designed for use in hydrocarbon processing applications. It is well suited for areas requiring a lightweight density and low thermal conductivity.

<b>Service Temperature:</b>	2200°F	1205°C
<b>Water Required to Cast:</b>	45.0%	45.0% *
<b>Material Required (gunned):</b>	54 (61) lbs/ft <sup>3</sup>	865 (977) kg/m <sup>3</sup>

### TYPICAL CHEMICAL ANALYSIS, %

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	TiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	Alkalies
36.3	54.3	0.9	1.0	6.6	0.9

### TYPICAL PHYSICAL PROPERTIES

Pre-Fired To		Bulk Density		Cold Compressive Strength		Cold Modulus of Rupture		Total Linear Change %	
°F	°C	Cast (lbs/ft <sup>3</sup> )	Gunned (lbs/ft <sup>3</sup> )	Cast (psi)	Gunned (psi)	Cast (psi)	Gunned (psi)	Cast	Gunned
220	105	58	67	475	675	175	275	-0.1	-0.1
1500	815	54	61	425	650	150	250	-0.7	-0.7
2000	1095	55	61	500	650	225	250	-1.2	-1.1

### K-values (BTU-in/hr/ft<sup>2</sup>/°F)

	400°F	800°F	1200°F	1600°F
<b>Cast</b>	1.51	1.66	1.80	2.11
<b>Gunned</b>	1.69	1.83	2.01	2.32

\*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