

UNI-BRADE HP 150V

UNI-BRADE HP 150V is a castable refractory designed for use in hydrocarbon processing applications. It is well suited for areas requiring a high density with great abrasion resistance.

Service Temperature:	3100°F	1705°C
Typical Water %:	6.0%	6.0% *
Material Required:	155 lbs/ft ³	2483 kg/m ³
C-704 Abrasion Loss:	<6.0 cc	<6.0 cc

TYPICAL CHEMICAL ANALYSIS, %

Al ₂ O ₃	SiO ₂	TiO ₂	Fe ₂ O ₃	CaO	MgO	Alkalies
58.0	37.0	1.6	0.9	1.6	0.1	0.3

TYPICAL PHYSICAL PROPERTIES

Pre-Fired To		Bulk Density		Cold Compressive Strength		Cold Modulus of Rupture		Total Linear Change	Porosity
°F	°C	lbs/ft ³	kg/m ³	psi	MPa	psi	MPa	%	%
220	105	163	2610	11,000	76	2,100	14	0.0	-
1500	815	155	2480	12,000	83	2,700	19	-0.2	18
2000	1095	155	2480	21,000	145	3,400	23	-0.4	16
2550	1400	153	2450	20,000	138	3,300	23	+0.3	18
2732	1500	152	2440	20,000	138	3,300	23	+0.3	17



*SCAN THE QR CODE FOR SPECIFIC MIXING GUIDELINES.

K-values (BTU-in/hr/ft²/°F)

	400°F	800°F	1200°F	1600°F	2000°F	2400°F
Pump	11.00	11.10	11.40	11.80	12.50	13.40

Reviewed date: 07/24/2024 - Check with your URC sales rep to determine if you have the current sheet