

UNI-BRADE HP FSV

UNI-BRADE HP FSV is a fused silica, low-cement, castable refractory. This product has been developed for applications requiring high strength and thermal shock resistance.

Service Temperature:	2300°F	1260°C
Water Required to Cast:	5.8%	5.8%
Material Required:	135 lbs/ft ³	2163 kg/m ³

TYPICAL CHEMICAL ANALYSIS, %

Al ₂ O ₃	SiO ₂	TiO ₂	Fe ₂ O ₃	CaO	Alkalies
27.1	70.1	0.5	0.3	1.9	0.1

TYPICAL PHYSICAL PROPERTIES

Pre-Fired To		Cold Compressive Strength		Cold Modulus of Rupture		Total Linear Change
°F	°C	psi	MPa	psi	MPa	%
250	120	8,500	59	1900	13	-0.1
1500	815	11,000	76	1800	12	-0.1
2000	1095	8,000	55	1300	9	-0.1
2300	1260	7,000	48	1100	8	+0.1

K-values (BTU-in/hr/ft²/°F)

	400°F	800°F	1200°F	1600°F	2000°F
Cast	7.34	7.65	7.90	8.08	8.20

Revision date: 8/13/2024 - Check with your URC sales rep to determine if you have the current sheet
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