

UNI-PUMP HP 110

UNI-PUMP HP 110 is a high strength medium weight pump mix designed for applications that need good insulation with abrasion resistance and high strength.

Service Temperature:	2600°F	1425°C
Material Required per ft³:	114 lbs	1826 kg/m ³
Water Required to Pump:	9.0%	9.0%
C-704 Abrasion Loss:	9.0 cc	9.0 cc

TYPICAL CHEMICAL ANALYSIS, %

Al₂O₃	SiO₂	CaO	TiO₂	Fe₂O₃	Alkalies
42.6	48.9	4.5	1.2	1.7	1.1

TYPICAL PHYSICAL PROPERTIES

Pre-Fired To		Bulk Density		Cold Compressive Strength		Total Linear Change
°F	°C	lbs/ft ³	kg/m ³	psi	MPa	%
220	105	121	1940	15,000	103	-0.1
1500	815	114	1830	8,000	55	-0.3
2000	1095	114	1830	8,000	55	-0.4
2400	1315	114	1830	7,000	48	-0.6

K-values (BTU-in/hr/ft²/°F)

	400°F	800°F	1200°F	1600°F	2000°F	2400°F
Cast	5.54	5.63	5.71	5.80	5.90	5.98

Revision date: 8/05/2024 - Check with your URC sales rep to determine if you have the current sheet
PUHP110