

QIG FF-60-LW

QIG FF-60-LW is an insulating castable that offers a high strength- to-insulation ratio at approximately 50-60 lb/ft³. This product has low thermal conductivity and can be cast or gunned. Additionally, this product was designed for an accelerated dryout schedule.

PHYSICAL PROPERTIES

Maximum Service Temperature	2400°F	
Water Required for Casting	8.5 to 9.5 qts / 50 lb. bag	
Water Required for Predampening:	2 to 3 qts / 50 lb. bag	
	<u>Cast</u>	<u>Gunite</u>
Bulk Density, lbs/ft ³	60	70 - 80
Cold Crushing Strength, psi		
After Heating to 1500°F	350 - 650	500 - 800
After Heating to 2000°F	400 - 700	600 - 1000
Modulus of Rupture, psi		
After Heating to 1500°F	100 - 200	250 - 450
After Heating to 2000°F	100 - 300	350 - 550
Linear Change, %		
After Heating to 1500°F	-0.3 to -0.6	-0.4 to -0.8
After Heating to 2000°F	-0.4 to -0.8	-0.5 to -1.0
Thermal Conductivity:		
<u>Mean Temp:</u>	<u>BTU/ft²/Hr/°F/in</u>	
500°F	1.80	
1000°F	1.70	
1500°F	1.70	
Typical Chemical Analysis, %		
Al ₂ O ₃	31.5	
SiO ₂	52.4	
CaO	12.0	
TiO ₂	1.1	
Fe ₂ O ₃	1.0	
MgO	0.2	
Alkalies	1.8	

The above are average results and do not constitute a specification.

QIG-FF-60-LW is available in 50# bags, 1000#, 1500# and 2000# bulk bags palletized and shrink-wrapped.

NOTE: CASTABLE MUST BE STORED IN DRY PLACE

Data shown are average results of standard ASTM tests unless otherwise noted. Results may vary subject to variations in manufacturing, testing, and installation procedures in the field.