



EAF / COKE OVEN SILICA BRICK

Manufactured in Lehi, Utah

	GREFCO Brand	GREFCO CO	GREFCO HM
Chemical Analysis %			
SiO ₂	95.2%	95.0%	94.8%
Fe ₂ O ₃	0.8	0.8	1.2
TiO ₂	0.1	<0.1	<0.1
CaO	2.9	3.1	2.8
Al ₂ O ₃	0.6	0.9	1.0
MgO	0.2	Trace	0.1
Alkalies	0.2	0.2	0.1
Apparent Porosity:	22 - 25%	22 - 25%	26 - 30%
Bulk Density			
Lb/ft ³	109 - 113	108 - 112	101 - 105
Mg/m ³	1.75 - 1.82	1.73 - 1.79	1.62 - 1.68
Specific Gravity			
True	2.32 - 2.35	2.33 - 2.36	2.34 - 2.37
Apparent	2.32 - 2.35	2.31 - 2.34	2.31 - 2.34
Cold Crushing Strength:			
psi	3000 - 5500	3000 - 5000	2000 - 4000
Mpa	21 - 45	21 - 34	14 - 28
Modulus Of Rupture:			
psi	1000 - 1200	800 - 1200	700 - 1100
Mpa	6.9 - 8.3	5.5 - 8.3	4.8 - 7.6