

HFK and Porosint Insulation Bricks

HFK and Porosint Insulation Bricks are mainly made from high purity alumina, providing energy saving by minimizing heat lose.

Technical Index

Specification	HFK	Porosint		
		23	26	28
Service Temperature(°C)	1200(°C)	1300(°C)	1300(°C)	1300(°C)
Al ₂ O ₃ % Min.	35 to 40%	40 to 45%	50 to 55%	55 to 60%
Fe ₂ O ₃ % Max.	0.50 to 1.00%	0.50 to 1.00%	0.60 to 0.80%	0.50 to 1.00%%
TiO ₂	0.50 to 1.00%	1.10 to 1.60%	1.00 to 1.50%	1.30 to 1.50%
Bulk Density	0.90 to 1.05 gm/cc	0.60 to 0.75 gm/cc	0.60 to 0.75 gm/cc	0.70 to 0.85 gm/cc
Apparent Porosity	60 to 65	65 to 70	65 to 70	65 to 70
Cold Crushing Strength	32 to 37 kg/Cm ²	20 to 25 kg/Cm ²	25 to 30 kg/Cm ²	15 to 20 kg/Cm ²
P.L.C. 1300°C./ 5 Hours.	-0.41%	-0.60%	-0.50%	-0.50%
Thermal Conductivity 1400°C./ 5 Hours.	1.45 k.cal./m/hr/°C.	1.35 k.cal./m/hr/°C.	1.30 k.cal./m/hr/°C.	1.35 k.cal./m/hr/°C.