

This material is fused from a mixture of alumina powder and a high purity silica sand in 3-phase electric arc furnace at a high temperature. It is characterized by its high refractoriness, low creep properties and low contaminant. It is widely used in refractory and metallurgical industries. It is available in various grades as per requested.



CHEMICAL & PHYSICAL ANALYSIS	PRODUCT GRADE			
	A - 70	A - 75	A - 80	A - 90
Al ₂ O ₃ (%)	70.00 min.	75.00 min.	80.00 min.	90.00 min.
CaO (%)	25.00 min.	20.00 min.	15.00 min.	10.00 min.
SiO ₂ (%)	0.70 max.	0.50 max.	0.50 max.	0.30 min.
Fe ₂ O ₃ (%)	0.50 max.	0.50 max.	0.50 max.	0.30 max.
Initial Setting Time (minutes)	30.00 min.	30.00 min.	30.00 min.	30.00 min.
Final Setting Time (Minutes)	240.00 max.	300.00 max.	360.00 max.	420.00 max.
Bending Strength (Kg/cm ²) - 24 hrs	50.00 min.	45.00 min.	40.00 min.	30.00 min.
Bending Strength (Kg/cm ²) - 72 hrs	60.00 min.	55.00 min.	50.00 min.	40.00 min.
Compressive Strength (Ks/cm ²) - 24 hrs	300.00 min.	250.00 min.	250.00 min.	150.00 min.
Compressive Strength (Ks/cm ²) - 72 hrs.	400.00 min.	350.00 min.	300.00 min.	200.00 min.
Refractoriness (C degree)	1650	1700	1750	1800
Particle Sizes (90.00% min.)	325 mesh	325 mesh	325 mesh	325 mesh