



## FUSED CORUNDUM BLOCK

### Physical and chemical index

Item		Behaviors
		TY-G93
Chemical Composition %	Al <sub>2</sub> O <sub>3</sub>	≥93
	SiO <sub>2</sub>	≤5.0
	Fe <sub>2</sub> O <sub>3</sub>	≤0.1
	CaO	≤1.2
	Na <sub>2</sub> O	-
	ZrO <sub>2</sub>	-
	Cr <sub>2</sub> O <sub>3</sub>	-
Apparent Proosity (%)		≤17
Bulk Density g/cm <sup>3</sup>		≥3.15
Cold Crushing Strength Mpa		≥100
Modulus of Rupture at High Temperature 1250℃ Mpa		≥9.5
Refractoriness ℃		≥1900
0.2Mpa Refractoriness Under Load T0.6 ℃		≥1700
Reheat liner change 1600℃×3h %		≤±0.2

**Main mineral component of corundum brick** is corundum phase, it has excellent physical property in high temperature, resistance to chemical corrosion. It is widely used in lining of ovens of petrochemical industry; bottom of steel rolling mill and in the second-stage converters of the 300000t ammonia synthesis furnaces, steel notch.

**Application:** Fused corundum block is mainly used in key parts of the industrial furnace that require high abrasion and temperature resistance, such as gliding rail bricks in steel pusher metallurgical furnaces, the tapping platform (tapping spout) style walking beam furnaces, and also as the interior for destructors.