



FUSED CAST SKID RAIL BLOCK

Physical and chemical index TY-GM20

Item		Behaviors TY-GM20	
		Special	Typical
Chemical Composition %	Al ₂ O ₃	71-74	73
	ZrO ₂	19-22	20.5
	SiO ₂	5-8	6.0
	Fe ₂ O ₃	≤0.5	0.3
	Na ₂ O	≤1.0	0.5
	CaO	≤0.5	0.5
Apparent Prosimy (%)		5-8	<8
True density g/cm ³		≥3.0	3.55
Cold Crushing Strength Mpa		≥250	350
Hot Crushing Strength 1300°C Mpa			120
Exudation temperature of Glass phase°C			
Line Expansion 1150°C %			0.9
Thermal conductivity 1250 °C: W/MK			9.2
Bulk Density (g/cm ³)	PT(RN)		≥3.0
	WS(VF)		≥3.2
Crystallographic analysis %	Corundum	71	
	Mullite	-	
	Glass Phase:	9	
	Baddeleyite	20	

Application: for SKID RAILS refractories of STEEL reheating furnace,

It is mainly used in areas 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.