



FUSED CAST SKID RAIL BLOCK

Physical and chemical index TY-GM5

Item		Behaviors TY-GM5	
		Special	Typical
Chemical Composition %	Al ₂ O ₃	71-74	73
	ZrO ₂	4.5-6	5.5
	SiO ₂	17-20	19
	Fe ₂ O ₃	≤0.5	0.5
	Na ₂ O	≤1.0	1.0
	CaO	≤0.5	0.5
Apparent Prosimy (%)		5-8	<8
True density g/cm ³		≥3.0	3.54
Cold Crushing Strength Mpa		≥250	350
Hot Crushing Strength 1300°C Mpa			45
Exudation temperature of Glass phase°C			
Line Expansion 1150°C %			0.9
Thermal conductivity 1250 °C: W/MK			4.6
Bulk Density (g/cm ³)	PT(RN)		≥3.0
	WS(VF)		≥3.2
Crystallographic analysis %	Corundum	39	
	Mullite	41	
	Glass Phase:	15	
	Baddeleyite	5	

Application: for Skid Rail 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.