



Cordierite-Mullite Brick JM50

Physical and chemical index :

Item	Cordierite-Mullite Brick
	JM
Al ₂ O ₃ %	≥50
Fe ₂ O ₃ %	≤2
MgO %	1.73~3
SiO ₂ %	≤45
Apparent Porosity %	≤23
Bulk Density g/cm ³	≥2.30
Cold Crushing Strength Mpa	≥70
Modulus of Rupture Mpa	
0.2Mpa Refractoriness Under Load T _{0.6}	
Reheat liner change 2h	
Thermal Shock Resistances 100°C water cycles	≥100
20—1000°C Thermal Expansich 10 ⁻⁶ /°C	



Physical and chemical index

Item		JM 50
Chemical composition%	Al ₂ O ₃	≥50
	SiO ₂	≤45
	MgO	1.73~3
	Fe ₂ O ₃	≤2.0
Apparent Porosity%		≤23
Bulk Density g/cm ³		≥2.3
Cold Crushing Strength Mpa		≥70
0.2Mpa Refractoriness Under Load T _{0.6} °C		≥1400
Permanent Linear Change On Reheating (%) 1500°C X2h		0~+0.4
Thermal Shock Resistances 100°C water cycles		≥50
20—1000°C Thermal Expansich10 ⁻⁶ /°C		0.55
Thermal Conductivity (W/MK) 1000°C		0