

1. 玻璃窯蓄熱室用筒形格子體耐火磚

Tubular checker bricks for regenerators in glass melting kilns



指標 Index	名稱牌號 Brand of name	電熔再結合鎂質 fused rebounded magnesita				電熔再結合鎂鉻質 fused rebounded magnesia-chrome	低氣孔粘土磚 low-porosity fireclay brick
		XDMZ-98	XDMZ-97	XDMZ-96	XDMZ-95	XDMC-12	XDN-45
MgO	%	≥97.7	≥97	≥96	≥95	≥70	
SiO ₂	%	≤0.5	≤1.0	≤1.2	≤1.5	≤2.5	
CaO	%		≤1.2	≤1.2	≤1.5	≤1.0	
Fe ₂ O ₃	%	≤0.6	≤0.9	≤1.0	≤1.2		
Cr ₂ O ₃	%					≥12	
Al ₂ O ₃	%						≥45
顯氣孔率 Apparent porosity	%	≤15	≤18	≤18	≤18	≤18	≤15
常溫抗壓強度 Cold crushing strength	Mpa	≥60	≥65	≥60	≥60	≥40	≥45
0.2Mpa 荷重軟化溫度 Refractoriness under load T _{0.6}	℃	T _{0.5} >1700	≥1700	≥1700	≥1700	≥1650	≥1400
體積密度 Bulk density	g/cm ³	≥3.05	≥3.05	≥3.0	≥3.0	≥3.0	≥2.2
熱膨脹率 Thermal expansion	%(℃)	1.9 (1400℃)					
熱震穩定性 Thermal shock resistances (950℃風冷) (Wind cycle)	次 Times	>15	≥20	≥20	≥20	≥40	
導熱系數 Thermal conductivity	w/km						
400℃		7.5					
700℃		5.5					
1100℃		4.2					