

1.3 Corundum Series Refractories

Index	Products	Zirconia-Corundum Bricks		Corundum-Chrome Bricks		Corundum Products		Super Mullite-Corundum Bricks
						GY-85	GY-95	
Series								
Al ₂ O ₃	%	40	80 (Min.)	85 (Min.)	95 (Min.)	75-80		
Fe ₂ O ₃	%	1.5 (Max.)	0.8	0.5 (Max.)	0.3 (Max.)	1.5		
Cr ₂ O ₃	%		3.5-5 (Min.)					
ZrO ₂	%	32						
SiO ₂	%	16						
Bulk Density	g/cm ³	3.1-3.2	2.9-3.2	3	3.2	2.65		
Apparent Porosity (Max.)	%	11	20	21 (Max.)	20 (Max.)	18		
Cold Crushing Strength (Min.)	MPa	100	90-110	80	80-90	95-100		
Refractoriness (Min.)	℃	1790	1790	1790	1790	1790		
Reheating Linear Change	%		1350℃×3h, 0.02%	1500℃×3h, 0.3%	1500℃×3h, 0.2%	1600℃×3h, (Max.), 1.0%		
Refractoriness Under Load (0.2MPa) (Min.)	℃			1530	1550	1600		
Thermal Shock Resistance (1100℃-Water Quench), cycles			45 (Min.)			15		
Abrasion Resistance, C. C			8.5					



1.4 Hydrophobe Perlite Board / Circle Shape Tiles

Item		Index
Bulk Density	kg/m ³	200, 250, 300
Thermal Conductivity (Max.)	W/m.k	0.076
Cold Crushing Strength	MPa	200-300
Moisture (Max.)	%	5
Hydrophobe Rate (Max.)	%	98%
Working Temperature	℃	-200-1000

With the characters of light (low bulk density), high hydrophobe rate, high strength, low thermal conductivity and easy-to-use etc., Hydrophobe perlite board / tiles are widely used in roof, wall, barns, refrigeratory fields etc.

