China-Yixing Longly Refractories Alumina Plates and Pieces Microcrystal Wear-Resistant Alumina Ceramic Lining Plates and Pieces

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

LONGLY's wear-resistant alumina ceramic lining plates and pieces are special alumina ceramics produced on the basis of Al2O3 by dry pressing with rare metal oxide as solvent, sintered under a high temperature of 1700°C. They could endure various wear resistant demands according to specific condition.Characteristics: With a Rockwell hardness of HRA80-90 (just inferior to diamond), its wear resistance is far superior to wear-resistant steel and stainless steel, which is 266 times that of manganese steel and 171.5 times that of high chromium cast iron. The bulk density is 3.6 g/cc, just a half of steel, which could reduce equipment load. These alumina ceramic lining plates or pieces can be stuck to the interior wall of the equipment by strong heat resistant adhesive.Applications: As for those mechanical equipment of heavy wearing used in conveying system for coal and materials, pulverizing system, ash and dust removing system of enterprises related to thermal power, steel, smelting, machinery, coal, mine, chemical, cement and port, different types of products could be chosen as per specific need.Information Provided by China Yixing Longly Refractories Co. Ltd

Order this product through the following link:
http://www.lookpolymers.com/polymer_China-Yixing-Longly-Refractories-Alumina-Plates-and-Pieces-Microcrystal-Wear-Resistant-Alumina-Ceramic-Lining-Plates-and-Pieces.php

Physical Properties	Metric	English	Comments
Bulk Density	3.50 - 3.60 g/cc	0.126 - 0.130 lb/in³	
Water Absorption	<= 0.020 %	<= 0.020 %	

Mechanical Properties	Metric	English	Comments
Hardness, Mohs	9.0	9.0	
Compressive Strength	1700 - 2200 MPa	247000 - 319000 psi	Crushing Strength
Fracture Toughness	6.00 - 6.80 MPa-m½	5.46 - 6.19 ksi-in½	

Component Elements Properties	Metric	English	Comments
Al2O3	91 - 95.8 %	91 - 95.8 %	
Fe2O3	0.20 - 0.25 %	0.20 - 0.25 %	

Descriptive Properties	Value	Comments
Wear Loss (%)	0.10-0.15	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China