

Sharadaa Ceramics VELCRETE G403 Gunning Castables

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

Description: Available from us a range of Gunning Castables that are made in compliance with the set industrial standards. These castables are widely used in refineries, foundries, boilers, rolling mills and various others. Information provided by Sharadaa Ceramics Pvt. Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sharadaa-Ceramics-VELCRETE-G403-Gunning-Castables.php

Physical Properties	Metric	English	Comments
Bulk Density	$\geq 2.80 \text{ g/cc}$	$\geq 0.101 \text{ lb/in}^3$	After Drying at 110°C
Grain Size	$\leq 3000 \text{ }\mu\text{m}$	$\leq 3000 \text{ }\mu\text{m}$	

Mechanical Properties	Metric	English	Comments
Compressive Strength	$\geq 58.8 \text{ MPa}$	$\geq 8530 \text{ psi}$	Cold Crushing
	@Temperature 1100°C	@Temperature 2010°F	
	$\geq 78.5 \text{ MPa}$	$\geq 11400 \text{ psi}$	Cold Crushing
	@Temperature 110°C	@Temperature 230°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1700°C	3090°F	

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	$\geq 80 \%$	$\geq 80 \%$	
Fe ₂ O ₃	$\leq 1.5 \%$	$\leq 1.5 \%$	

Processing Properties	Metric	English	Comments
Moisture Content	10 - 12 %	10 - 12 %	

Descriptive Properties	Value	Comments
Permanent Linear Change	$<1.0\%$	$1500^\circ\text{C}/3 \text{ hrs}$

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