

Chosun Refractories BCT-145 Acid-proof Castable

Category : Ceramic

Material Notes:

Information provided by Chosun Refractories via Korea Institute of Ceramic Engineering and Technology (KICET).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chosun-Refractories-BCT-145-Acid-proof-Castable.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0053955 GPa	0.78256 ksi	
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	0.005886 GPa	0.8537 ksi	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	0.0063765 GPa	0.92485 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
Compressive Strength	24.5 MPa	3560 psi	Cold Crushing Strength
	@Temperature 1000 °C, Time 10800 sec	@Temperature 1830 °F, Time 3.00 hour	
	29.4 MPa	4270 psi	Cold Crushing Strength
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	29.4 MPa	4270 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1450 °C	2640 °F	limited
Shrinkage	-0.100 %	-0.100 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	-0.100 %	-0.100 %	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	

Descriptive Properties	Value	Comments
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Chemical Analysis(%) Cr202 Descriptive Properties	Value	Comments
Installation Method	Casting, Troweling	
Main Applications	Chemical Plant	
Material Required for Estimating (kg/?)	2,600	
Water Required for Casting(%)	11	

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