

Chosun Refractories APC-80 Acid-proof Castable

Category : Ceramic , Oxide , Silicon Oxide

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-APC-80-Acid-proof-Castable.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0044145 GPa	0.64028 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.005886 GPa	0.8537 ksi	
	@Temperature 500 °C, Time 10800 sec	@Temperature 932 °F, Time 3.00 hour	
Compressive Strength	11.8 MPa	1710 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	24.5 MPa	3560 psi	Cold Crushing Strength
	@Temperature 500 °C, Time 10800 sec	@Temperature 932 °F, Time 3.00 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	800 °C	1470 °F	limited
Shrinkage	-0.300 %	-0.300 %	
	@Temperature 500 °C, Time 10800 sec	@Temperature 932 °F, Time 3.00 hour	
	-0.100 %	-0.100 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	30 %	30 %	
SiO2	65 %	65 %	

Descriptive Properties	Value	Comments
Installation Method	Casting, Vibrating	

Main Applications Descriptive Properties	Chemical Plant Value	Comments
Material Required for Estimating (kg/?)	1,900	
Water Required for Casting(%)	15	

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