

Chosun Refractories APC-50 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-50-Acid-proof-Castable.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0073575 GPa	1.0671 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.008829 GPa	1.281 ksi	
	@Temperature 500 °C, Time 10800 sec	@Temperature 932 °F, Time 3.00 hour	
Compressive Strength	13.7 MPa	1990 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	19.6 MPa	2840 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	500 °C	932 °F	limited
Shrinkage	-0.200 %	-0.200 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	25 %	25 %	
SiO2	70 %	70 %	

Descriptive Properties	Value	Comments
Installation Method	Casting, Vibrating	
Main Applications	Chemical Plant	
Material Required for Estimating (kg/?)	1,850	
Water Required for Casting(%)	15-20	

Descriptive Properties	Value	Comments
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