

Chosun Refractories LPCT- 16DS Lance Castable

Category : Ceramic , Oxide , Aluminum 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-LPCT-16DS-Lance-Castable.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.005886 GPa	0.8537 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.006867 GPa	0.9960 ksi	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	0.010791 GPa	1.5651 ksi	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
Compressive Strength	26.5 MPa	3840 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	42.2 MPa	6120 psi	Cold Crushing Strength
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	63.7 MPa	9250 psi	Cold Crushing Strength
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1650 °C	3000 °F	limited
Shrinkage	0.00 %	0.00 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.75 %	0.75 %	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	1.49 %	1.49 %	
	@Temperature 1500 °C,	@Temperature 2730 °F,	

Thermal Properties	Time 10800 sec Metric	Time 3.00 hour English	Comments
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Component Elements Properties	Metric	English	Comments
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Al2O3	60 %	60 %	
SiO2	35 %	35 %	

Descriptive Properties	Value	Comments
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Installation Method	Casting, Vibrating	
Material Required for Estimating(kg/?)	2,600	
Water Required for Casting(%)	6.5	

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