

Chosun Refractories LPCT- 18PI 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-18PI-Lance-Castable.php

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.006867 GPa	0.9960 ksi	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.00981 GPa	1.42 ksi	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	0.018639 GPa	2.7034 ksi	
	@Temperature 1500 °C, Time 10800 sec	@Temperature 2730 °F, Time 3.00 hour	
Compressive Strength	34.3 MPa	4980 psi	Cold Crushing Strength
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	70.6 MPa	10200 psi	Cold Crushing Strength
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	83.4 MPa	12100 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	1800 °C	3270 °F	limited
Shrinkage	0.00 %	0.00 %	
	@Temperature 110 °C, Time 86400 sec	@Temperature 230 °F, Time 24.0 hour	
	0.50 %	0.50 %	
	@Temperature 1350 °C, Time 10800 sec	@Temperature 2460 °F, Time 3.00 hour	
	1.62 %	1.62 %	
	@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	93 %	93 %	
SiO2	3.0 %	3.0 %	

Descriptive Properties	Value	Comments
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Installation Method	Casting, Vibrating	
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Material Required for Estimating(kg/?)	3,200	
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Water Required for Casting(%)	6.0	
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