

Zircar Ceramics NKO Castertip

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

Main stay "low mass hard tip" used on all makes of continuous thin strip aluminum casting equipment. NKO is a rigid combination of refractory ceramic fiber and inorganic binders. Information provided by Zircar Ceramics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zircar-Ceramics-NKO-Castertip.php

Physical Properties	Metric	English	Comments
Density	0.640 g/cc	0.0231 lb/in ³	
Loss On Ignition	0.00 %	0.00 %	
Specific Surface Area	48 m ² /g	48 m ² /g	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	100	100	Average
Modulus of Rupture	0.00310 GPa	0.450 ksi	Parallel

Thermal Properties	Metric	English	Comments
Shrinkage	0.400 %	0.400 %	Perpendicular to Thickness
	@Temperature 800 °C, Time 86400 sec	@Temperature 1470 °F, Time 24.0 hour	
	2.20 %	2.20 %	Perpendicular to Thickness
	@Temperature 1000 °C, Time 86400 sec	@Temperature 1830 °F, Time 24.0 hour	

Component Elements Properties	Metric	English	Comments
Al2O3	27 %	27 %	
Fe2O3	<= 0.050 %	<= 0.050 %	
Na2O	<= 0.25 %	<= 0.25 %	
SiO2	73 %	73 %	
TiO2	<= 0.050 %	<= 0.050 %	

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