

NYC YT3WBQ Y203 CIP (Cold Isostatic Pressing) Granules

Category : Ceramic , Oxide

Material Notes:

99.9% and better high purity granules produce high quality finished ceramics. Uses include semiconductors / LCD industries, metallurgy, magnets, and electroceramics. Acrylic binder system Excellent green properties Easy sintering with stable, low shrinkage rates

Order this product through the following link:

http://www.lookpolymers.com/polymer_NYC-YT3WBQ-Y203-CIP-Cold-Isostatic-Pressing-Granules.php

Physical Properties	Metric	English	Comments
Bulk Density	1.30 g/cc	0.0470 lb/in ³	Apparent Density of Granules
	1.40 g/cc	0.0506 lb/in ³	Tap Density of Granules
Porosity	<= 2.0 %	<= 2.0 %	after sintering at 1650°C for 2 hours in air
Particle Size	0.50 µm	0.50 µm	Raw Material; Average; D ₅₀ ; Microtrac HRA
	40 µm	40 µm	Granules; Average; D ₅₀ ; Microtrac HRA
Specific Surface Area	6.0 m ² /g	6.0 m ² /g	Raw material; BET

Thermal Properties	Metric	English	Comments
Shrinkage	20.0 %	20.0 %	
	@Temperature 1650 °C, Time 7200 sec	@Temperature 3000 °F, Time 2.00 hour	

Component Elements Properties	Metric	English	Comments
Fe2O3	<= 0.0010 %	<= 0.0010 %	ICP-AES
Na2O	<= 0.0010 %	<= 0.0010 %	AA
Y2O3	>= 99.9 %	>= 99.9 %	TREO

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