

H.C. Starck Amperit® 821.6 Zirconia-Yttria 80-20 (ZrO₂-Y₂O₃)

Category : Ceramic , Oxide , Zirconium Oxide

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer_HC-Starck-Amperit-8216-Zirconia-Yttria-80-20-ZrO₂-Y₂O₃.php](http://www.lookpolymers.com/polymer_HC-Starck-Amperit-8216-Zirconia-Yttria-80-20-ZrO2-Y2O3.php)

Physical Properties	Metric	English	Comments
Density	1.00 - 1.50 g/cc	0.0361 - 0.0542 lb/in ³	ASTM B212
Particle Size	38 µm	38 µm	Maximum of 5% less than
	45 µm	45 µm	Maximum of 15% less than
	106 µm	106 µm	Maximum of 10% greater than
	125 µm	125 µm	Maximum of 2% greater than

Component Elements Properties	Metric	English	Comments
Carbon, C	0.60 - 1.3 %	0.60 - 1.3 %	
HfO ₂	<= 2.0 %	<= 2.0 %	
SiO ₂	<= 0.80 %	<= 0.80 %	
Y ₂ O ₃	18.5 - 21.5 %	18.5 - 21.5 %	

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