

**H.C. Starck Amperit® 827.7 Zirconium Oxide-Yttrium Oxide 93-7 (ZrO<sub>2</sub>-Y<sub>2</sub>O<sub>3</sub>)**

Category : Ceramic , Oxide , Zirconium Oxide

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_HC-Starck-Amperit-8277-Zirconium-Oxide-Yttrium-Oxide-93-7-ZrO<sub>2</sub>-Y<sub>2</sub>O<sub>3</sub>.php](http://www.lookpolymers.com/polymer_HC-Starck-Amperit-8277-Zirconium-Oxide-Yttrium-Oxide-93-7-ZrO2-Y2O3.php)

Physical Properties	Metric	English	Comments
Density	2.20 - 2.50 g/cc	0.0795 - 0.0903 lb/in <sup>3</sup>	ASTM B212
Particle Size	21 - 30 µm	21 - 30 µm	10%
	47 - 57 µm	47 - 57 µm	50%
	85 - 99 µm	85 - 99 µm	90%
	176 µm	176 µm	100% less than

Component Elements Properties	Metric	English	Comments
Al <sub>2</sub> O <sub>3</sub>	<= 0.20 %	<= 0.20 %	
Fe <sub>2</sub> O <sub>3</sub>	<= 0.30 %	<= 0.30 %	
HfO <sub>2</sub>	<= 2.0 %	<= 2.0 %	
SiO <sub>2</sub>	<= 0.50 %	<= 0.50 %	
TiO <sub>2</sub>	>= 0.40 %	>= 0.40 %	
Y <sub>2</sub> O <sub>3</sub>	7.0 - 9.0 %	7.0 - 9.0 %	

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