

## H.C. Starck Amperit® 582.072 Chromium Carbide-Nickel Chromium 80-20 (Cr3C2-NiCr)

Category : Ceramic , Carbide

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_HC-Starck-Amperit-582072-Chromium-Carbide-Nickel-Chromium-80-20-Cr3C2-NiCr.php](http://www.lookpolymers.com/polymer_HC-Starck-Amperit-582072-Chromium-Carbide-Nickel-Chromium-80-20-Cr3C2-NiCr.php)

Physical Properties	Metric	English	Comments
Density	2.30 - 3.00 g/cc	0.0831 - 0.108 lb/in <sup>3</sup>	ASTM B417
Particle Size	10 µm	10 µm	maximum of 5% less than
	12 - 18 µm	12 - 18 µm	10%
	25 - 35 µm	25 - 35 µm	50%
	38 µm	38 µm	maximum of 5% greater than
	43 - 57 µm	43 - 57 µm	90%
	88 µm	88 µm	100% less than

Component Elements Properties	Metric	English	Comments
Carbon, C	10 - 11.5 %	10 - 11.5 %	
Iron, Fe	<= 0.50 %	<= 0.50 %	
Nickel, Ni	16 - 18.5 %	16 - 18.5 %	
Oxygen, O	<= 0.60 %	<= 0.60 %	

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