

## H.C. Starck Amperit® 551.059 Tungsten Carbide - Chromium Carbide - Nickel 70-20-7 (W-CrC-Ni)

Category : Ceramic , Carbide

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_HC-Starck-Amperit-551059-Tungsten-Carbide-Chromium-Carbide-Nickel-70-20-7-W-CrC-Ni.php](http://www.lookpolymers.com/polymer_HC-Starck-Amperit-551059-Tungsten-Carbide-Chromium-Carbide-Nickel-70-20-7-W-CrC-Ni.php)

Physical Properties	Metric	English	Comments
Density	3.70 - 4.40 g/cc	0.134 - 0.159 lb/in <sup>3</sup>	ASTM B417
Particle Size	8.0 - 12 µm	8.0 - 12 µm	10%
	15 - 21 µm	15 - 21 µm	50%
	26 - 34 µm	26 - 34 µm	90%
	62 µm	62 µm	100% less than

Component Elements Properties	Metric	English	Comments
Carbon, C	6.3 - 7.3 %	6.3 - 7.3 %	
Chromium, Cr	16 - 20 %	16 - 20 %	
Iron, Fe	<= 0.30 %	<= 0.30 %	
Nickel, Ni	6.0 - 8.0 %	6.0 - 8.0 %	
Oxygen, O	<= 0.20 %	<= 0.20 %	
Tungsten, W	63.2 - 70.2 %	63.2 - 70.2 %	

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