

## H.C. Starck Amperit® 547.002 Tungsten Carbide-Nickel 88-12 (WC-Ni)

Category : Ceramic , Carbide

Material Notes:

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_HC-Starck-Amperit-547002-Tungsten-Carbide-Nickel-88-12-WC-Ni.php](http://www.lookpolymers.com/polymer_HC-Starck-Amperit-547002-Tungsten-Carbide-Nickel-88-12-WC-Ni.php)

Physical Properties	Metric	English	Comments
Density	4.70 - 5.60 g/cc	0.170 - 0.202 lb/in <sup>3</sup>	ASTM B212
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%
	38 µm	38 µm	Maximum of 5% less than
	45 µm	45 µm	Maximum of 10% less than
	90 µm	90 µm	Maximum of 5% greater than
	106 µm	106 µm	Maximum of 1% greater than

Component Elements Properties	Metric	English	Comments
Carbon, C	5.4 - 5.8 %	5.4 - 5.8 %	
Iron, Fe	<= 0.20 %	<= 0.20 %	
Nickel, Ni	11 - 13 %	11 - 13 %	
Tungsten, W	81 - 83.6 %	81 - 83.6 %	

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