

H.C. Starck Amperit® 558.059 Tungsten Carbide-Cobalt-Chromium 86-10-4 (WC-Co-Cr)

Category : Ceramic , Carbide

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_HC-Starck-Amperit-558059-Tungsten-Carbide-Cobalt-Chromium-86-10-4-WC-Co-Cr.php

Physical Properties	Metric	English	Comments
Density	4.70 - 5.60 g/cc	0.170 - 0.202 lb/in ³	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%
	44 µm	44 µm	99% less than
	62 µm	62 µm	100% less than

Component Elements Properties	Metric	English	Comments
Carbon, C	5.0 - 6.0 %	5.0 - 6.0 %	
Chromium, Cr	3.0 - 5.0 %	3.0 - 5.0 %	
Cobalt, Co	9.0 - 11 %	9.0 - 11 %	
Iron, Fe	<= 0.30 %	<= 0.30 %	
Oxygen, O	<= 0.20 %	<= 0.20 %	
Tungsten, W	77.5 - 83.5 %	77.5 - 83.5 %	

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