

H.C. Starck Amperit® 560.077 Tungsten Carbide-Cobalt(83-17)-Nickel-SF RC 60 50-50 (Wc-Co / NiSF RC 60)

Category : Ceramic , Carbide

Material Notes:

Composition is of NiSF RC 60 only

Order this product through the following link:

http://www.lookpolymers.com/polymer_HC-Starck-Amperit-560077-Tungsten-Carbide-Cobalt83-17-Nickel-SF-RC-60-50-50-Wc-Co-NiSF-RC-60.php

Physical Properties	Metric	English	Comments
Density	3.80 - 4.40 g/cc	0.137 - 0.159 lb/in ³	ASTM B212
Particle Size	38 Åµm	38 Åµm	Maximum 20% less than, for WC-Co 83-17
	53 Åµm	53 Åµm	Maximum 10% greater than, for Ni-SF RC 60
	63 Åµm	63 Åµm	Maximum 5% greater than, for WC-Co 83-17

Component Elements Properties	Metric	English	Comments
Boron, B	3.0 - 3.9 %	3.0 - 3.9 %	
Carbon, C	0.60 - 1.0 %	0.60 - 1.0 %	
Chromium, Cr	14.2 - 16.5 %	14.2 - 16.5 %	
Iron, Fe	3.5 - 4.5 %	3.5 - 4.5 %	
Nickel, Ni	69.3 - 74.7 %	69.3 - 74.7 %	
Silicon, Si	4.0 - 4.8 %	4.0 - 4.8 %	

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