

H.C. Starck Amperit® 584.1 Chromium Carbide-Nickel Chromium 75-25 (Cr₃C₂-NiCr)

Category : Ceramic , Carbide

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_HC-Starck-Amperit-5841-Chromium-Carbide-Nickel-Chromium-75-25-Cr3C2-NiCr.php

Physical Properties	Metric	English	Comments
Density	2.30 - 3.00 g/cc	0.0831 - 0.108 lb/in ³	ASTM B212
Particle Size	20 µm	20 µm	maximum of 10% less than
	20 - 24 µm	20 - 24 µm	10%
	33 - 41 µm	33 - 41 µm	50%
	45 µm	45 µm	maximum of 5% greater than
	57 - 65 µm	57 - 65 µm	90%
	88 µm	88 µm	100% less than

Component Elements Properties	Metric	English	Comments
Carbon, C	9.0 - 11 %	9.0 - 11 %	
Chromium, Cr	65.9 - 73 %	65.9 - 73 %	
Iron, Fe	<= 0.50 %	<= 0.50 %	
Nickel, Ni	18 - 22 %	18 - 22 %	
Oxygen, O	<= 0.60 %	<= 0.60 %	

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