

H.C. Starck FeCoCu Prealloyed Metal Powder

Category : Metal , Ferrous Metal , Nonferrous Metal , Cobalt Alloy

Material Notes:

A new prealloyed metallic powder of high sinter-activity with ideally homogenized constituents at an atomic level. The primary particles of very fine grain size are loosely agglomerated to agglomerate dimensions of around 30 micrometers. The powder can be used as cost effective alternative to pure cobalt powder and shows an excellent performance in professional stone cutting applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_HC-Starck-FeCoCu-Prealloyed-Metal-Powder.php

Physical Properties	Metric	English	Comments
Bulk Density	0.700 g/cc	0.0253 lb/in ³	Scott Density; ASTM B329
	1.40 g/cc	0.0506 lb/in ³	Tap Density; ASTM B527
Particle Size	2.5 Åµm	2.5 Åµm	Fisher sub sieve sizer; ASTM B330
Specific Surface Area	0.80 m ² /g	0.80 m ² /g	BET; ASTM D4567

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	99 - 116	99 - 116	

Component Elements Properties	Metric	English	Comments
Cobalt, Co	44 - 46 %	44 - 46 %	
Copper, Cu	10 - 11 %	10 - 11 %	
Iron, Fe	44 - 46 %	44 - 46 %	
Oxygen, O	<= 0.50 %	<= 0.50 %	

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