

H.C. Starck ST-100-1 Pure Molybdenum Powder Metallurgy Target

Category : Metal , Nonferrous Metal , Molybdenum Alloy , Refractory Metal , Pure Element

Material Notes:

Powder Metallurgy Target ST-100-1 Description of Product: This specification covers hot rolled molybdenum plates produced from pressed and sintered powder metallurgy sheet bar for sputtering applications. Structure: Sheet will be supplied in the recrystallized condition unless otherwise requested. Information provided by H.C. Starck.

Order this product through the following link:

http://www.lookpolymers.com/polymer_HC-Starck-ST-100-1-Pure-Molybdenum-Powder-Metallurgy-Target.php

Physical Properties	Metric	English	Comments
Density	10.15 - 10.2 g/cc	0.3667 - 0.368 lb/in ³	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 0.0020 %	<= 0.0020 %	
Arsenic, As	<= 0.00050 %	<= 0.00050 %	
Barium, Ba	<= 0.0010 %	<= 0.0010 %	
Cadmium, Cd	<= 0.0010 %	<= 0.0010 %	
Calcium, Ca	<= 0.0020 %	<= 0.0020 %	
Carbon, C	<= 0.0030 %	<= 0.0030 %	
Chromium, Cr	<= 0.0060 %	<= 0.0060 %	
Cobalt, Co	<= 0.0030 %	<= 0.0030 %	
Copper, Cu	<= 0.0020 %	<= 0.0020 %	
Hydrogen, H	<= 0.00050 %	<= 0.00050 %	
Iron, Fe	<= 0.0060 %	<= 0.0060 %	
Lead, Pb	<= 0.0010 %	<= 0.0010 %	
Magnesium, Mg	<= 0.0010 %	<= 0.0010 %	
Manganese, Mn	<= 0.0010 %	<= 0.0010 %	
Molybdenum, Mo	>= 99.95 %	>= 99.95 %	by difference
Nickel, Ni	<= 0.0020 %	<= 0.0020 %	
Niobium, Nb (Columbium, Cb)	<= 0.0010 %	<= 0.0010 %	
Nitrogen, N	<= 0.0010 %	<= 0.0010 %	

Component Elements Properties	Metric 50 %	English 50 %	Comments
Phosphorous, P	<= 0.0020 %	<= 0.0020 %	
Potassium, K	<= 0.0020 %	<= 0.0020 %	
Silicon, Si	<= 0.0030 %	<= 0.0030 %	
Silver, Ag	<= 0.00050 %	<= 0.00050 %	
Sodium, Na	<= 0.0010 %	<= 0.0010 %	
Sulfur, S	<= 0.0020 %	<= 0.0020 %	
Tantalum, Ta	<= 0.0020 %	<= 0.0020 %	
Tin, Sn	<= 0.0010 %	<= 0.0010 %	
Titanium, Ti	<= 0.0010 %	<= 0.0010 %	
Tungsten, W	<= 0.030 %	<= 0.030 %	
Zinc, Zn	<= 0.00050 %	<= 0.00050 %	
Zirconium, Zr	<= 0.00050 %	<= 0.00050 %	

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