

H.C. Starck Pure Molybdenum Tube Powder Metallurgy Targets

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

Material Notes:

This specification covers extruded molybdenum tubes produced from pressed and sintered powder metallurgy billet for sputtering applications. Information provided by H.C. Starck.

Order this product through the following link:

http://www.lookpolymers.com/polymer_HC-Starck-Pure-Molybdenum-Tube-Powder-Metallurgy-Targets.php

Physical Properties	Metric	English	Comments
Density	>= 10.2 g/cc	>= 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	<= 0.0050 %	<= 0.0050 %	
Chromium, Cr	<= 0.0060 %	<= 0.0060 %	
Cobalt, Co	<= 0.0030 %	<= 0.0030 %	
Copper, Cu	<= 0.0020 %	<= 0.0020 %	
Hydrogen, H	<= 0.0010 %	<= 0.0010 %	
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 %	
Oxygen, O			

Component Elements Properties	$\leq 0.0050\%$ Metric	$\leq 0.0050\%$ English	Comments
Phosphorous, P	$\leq 0.0020\%$	$\leq 0.0020\%$	
Potassium, K	$\leq 0.0020\%$	$\leq 0.0020\%$	
Silicon, Si	$\leq 0.0030\%$	$\leq 0.0030\%$	
Silver, Ag	$\leq 0.00050\%$	$\leq 0.00050\%$	
Sodium, Na	$\leq 0.0010\%$	$\leq 0.0010\%$	
Sulfur, S	$\leq 0.0020\%$	$\leq 0.0020\%$	
Tantalum, Ta	$\leq 0.0020\%$	$\leq 0.0020\%$	
Tin, Sn	$\leq 0.0010\%$	$\leq 0.0010\%$	
Titanium, Ti	$\leq 0.0010\%$	$\leq 0.0010\%$	
Tungsten, W	$\leq 0.030\%$	$\leq 0.030\%$	
Zinc, Zn	$\leq 0.00050\%$	$\leq 0.00050\%$	
Zirconium, Zr	$\leq 0.00050\%$	$\leq 0.00050\%$	

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