

H.C. Starck Pure Molybdenum PB, Powder Metallurgy Bar

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

Material Notes:

Powder Metallurgy BarDescription of Product: This specification covers molybdenum wrought bar produced from pressed and sintered powder metallurgy billet.**Structure:** Material can be supplied in the recrystallized condition.**Information provided by H.C. Starck.**

Order this product through the following link:

http://www.lookpolymers.com/polymer_HC-Starck-Pure-Molybdenum-PB-Powder-Metallurgy-Bar.php

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	>= 200	>= 200	mid-radius; DPH (10 kg)
	@Load 10.0 kg, Diameter 73.03 - 102 mm	@Load 22.0 lb, Diameter 2.875 - 4.00 in	
	>= 210	>= 210	mid-radius; DPH (10 kg)
	@Load 10.0 kg, Diameter 47.63 - 73.03 mm	@Load 22.0 lb, Diameter 1.875 - 2.875 in	
	>= 215	>= 215	mid-radius; DPH (10 kg)
	@Load 10.0 kg, Diameter 28.57 - 47.63 mm	@Load 22.0 lb, Diameter 1.125 - 1.875 in	
	>= 225	>= 225	mid-radius; DPH (10 kg)
	@Load 10.0 kg, Diameter 22.2 - 28.57 mm	@Load 22.0 lb, Diameter 0.875 - 1.125 in	
	>= 230	>= 230	mid-radius; DPH (10 kg)
	@Load 10.0 kg, Diameter 3.17 - 22.2 mm	@Load 22.0 lb, Diameter 0.125 - 0.875 in	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 0.0020 %	<= 0.0020 %	
Calcium, Ca	<= 0.0030 %	<= 0.0030 %	
Carbon, C	<= 0.0050 %	<= 0.0050 %	
Chromium, Cr	<= 0.0050 %	<= 0.0050 %	
Copper, Cu	<= 0.0020 %	<= 0.0020 %	
Iron, Fe	<= 0.0050 %	<= 0.0050 %	
Lead, Pb	<= 0.0020 %	<= 0.0020 %	

Component Elements Properties	Metric	English	Comments
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 %	
Silicon, Si	<= 0.0030 %	<= 0.0030 %	
Tin, Sn	<= 0.0030 %	<= 0.0030 %	
Titanium, Ti	<= 0.0020 %	<= 0.0020 %	

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