

H.C. Starck Molybdenum Alloy AFB, Arc-Cast Forging Billet

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

Material Notes:

This specification covers carbon-deoxidized molybdenum wrought forging billets produced from ingots consolidated by the H.C. Starck consumable electrode vacuum-arc-casting process. Structure: The billets will be supplied in the recrystallized condition, with a maximum hardness of 200 B.H.N. (10 mm ball/1500 kg/30 sec.). Material can also be supplied in the stress-relieved condition. Information provided by H.C. Starck.

Order this product through the following link:

http://www.lookpolymers.com/polymer_HC-Starck-Molybdenum-Alloy-AFB-Arc-Cast-Forging-Billet.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	<= 200 @Load 1500 kg, Time 30.0 sec	<= 200 @Load 3310 lb, Time 0.00833 hour	10 mm ball

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.030 %	<= 0.030 %	
Iron, Fe	<= 0.0080 %	<= 0.0080 %	
Molybdenum, Mo	>= 99.95 %	>= 99.95 %	by difference
Nickel, Ni	<= 0.0020 %	<= 0.0020 %	
Nitrogen, N	<= 0.0020 %	<= 0.0020 %	
Oxygen, O	<= 0.0015 %	<= 0.0015 %	
Silicon, Si	<= 0.0080 %	<= 0.0080 %	

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