

H.C. Starck 3403 Molybdenum Alloy APT-3 TZM, Arc-Cast Plate

Category : Metal , Nonferrous Metal , Molybdenum Alloy

Material Notes:

Arc-Cast Plate 3403 Description of Product: This specification covers rolled plate of carbon-deoxidized TZM alloy (molybdenum + 0.5% titanium + 0.08% zirconium) produced from sheet bar consolidated by the H.C. Stark consumable electrode vacuum-arc-casting process. Structure: Plate will be supplied in a stress-relieved condition unless otherwise requested. Information provided by H.C. Starck.

Order this product through the following link:

http://www.lookpolymers.com/polymer_HC-Starck-3403-Molybdenum-Alloy-APT-3-TZM-Arc-Cast-Plate.php

Mechanical Properties	Metric	English	Comments
Tensile Strength	>= 689 MPa	>= 100000 psi	ASTM E-8
	@Thickness 25.4 - 38.1 mm	@Thickness 1.00 - 1.50 in	
	>= 758 MPa	>= 110000 psi	
	@Thickness 12.7 - 25.4 mm	@Thickness 0.500 - 1.00 in	ASTM E-8
	>= 827 MPa	>= 120000 psi	ASTM E-8
	@Thickness 4.762 - 12.7 mm	@Thickness 0.1875 - 0.500 in	
Tensile Strength, Yield	>= 586 MPa	>= 85000 psi	ASTM E-8
	@Strain 0.200 %, Thickness 25.4 - 38.1 mm	@Strain 0.200 %, Thickness 1.00 - 1.50 in	
	>= 655 MPa	>= 95000 psi	
	@Strain 0.200 %, Thickness 12.7 - 25.4 mm	@Strain 0.200 %, Thickness 0.500 - 1.00 in	ASTM E-8
	>= 689 MPa	>= 100000 psi	ASTM E-8
	@Strain 0.200 %, Thickness 4.762 - 12.7 mm	@Strain 0.200 %, Thickness 0.1875 - 0.500 in	
Elongation at Break	>= 8.0 %	>= 8.0 %	ASTM E-8
	@Thickness 25.4 - 38.1 mm	@Thickness 1.00 - 1.50 in	
	>= 10 %	>= 10 %	
	@Thickness 4.762 - 12.7 mm	@Thickness 0.1875 - 0.500 in	ASTM E-8
	>= 10 %	>= 10 %	ASTM E-8
	@Thickness 12.7 - 25.4	@Thickness 0.500 -	

Mechanical Properties	mm Metric	1.00 in English	Comments
Component Elements Properties	Metric	English	Comments
Carbon, C	0.010 - 0.030 %	0.010 - 0.030 %	
Iron, Fe	<= 0.010 %	<= 0.010 %	
Molybdenum, Mo	>= 99.25 %	>= 99.25 %	by difference
Nickel, Ni	<= 0.0020 %	<= 0.0020 %	
Nitrogen, N	<= 0.0020 %	<= 0.0020 %	
Oxygen, O	<= 0.0030 %	<= 0.0030 %	
Silicon, Si	<= 0.010 %	<= 0.010 %	
Titanium, Ti	0.40 - 0.55 %	0.40 - 0.55 %	
Zirconium, Zr	0.060 - 0.12 %	0.060 - 0.12 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China