

Crucible Steel Aquamet® 17 Martensitic Steel

Category : Metal , Ferrous Metal , Martensitic , Stainless Steel , Precipitation Hardening Stainless

Material Notes:

AQUAMET 17 is a precipitation-hardening, martensitic stainless steel. Because it is hardened by a heat treatment, it provides high strength regardless of the diameter. It also offers good toughness and corrosion resistance. A popular choice, AQUAMET 17 is widely used in pleasure boats, ski boats, workboats, fishing trawlers, and crew boats, as well as pilot and patrol boats. Information provided by Crucible Specialty Metals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Crucible-Steel-Aquamet-17-Martensitic-Steel.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	931 MPa	135000 psi	
Tensile Strength, Yield	724 MPa @Strain 0.200 %	105000 psi @Strain 0.200 %	Tension
Elongation at Break	12 %	12 %	in 2"; 8" to 12"
	16 % @Thickness <=203 mm	16 % @Thickness <=8.00 in	in 2"
Reduction of Area	35 % @Thickness 203 - 305 mm	35 % @Thickness 8.00 - 12.0 in	
	50 % @Thickness <=203 mm	50 % @Thickness <=8.00 in	
Shear Strength	483 MPa @Strain 0.200 %	70000 psi @Strain 0.200 %	Torsion

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.070 %	<= 0.070 %	
Chromium, Cr	14.5 - 16.5 %	14.5 - 16.5 %	
Copper, Cu	3.0 - 5.0 %	3.0 - 5.0 %	
Iron, Fe	>= 70.903 %	>= 70.903 %	As Remainder
Manganese, Mn	<= 1.0 %	<= 1.0 %	
Nb + Ta	0.15 - 0.45 %	0.15 - 0.45 %	
Nickel, Ni	3.0 - 5.0 %	3.0 - 5.0 %	

Component Elements Properties	Metric	English	Comments
Silicon, Si	<= 1.0 %	<= 1.0 %	
Sulfur, S	<= 0.030 %	<= 0.030 %	

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