

ATI Allegheny Ludlum AL 611 Stainless Steel, UNS S30601

Category : Metal , Ferrous Metal , Stainless Steel , T 600 Series Stainless Steel

Material Notes:

AL 611 alloys are low-carbon, silicon-containing, austenitic stainless steels. These alloys are typically used for applications in the chemical industry. The high silicon content provides them with very good resistance to oxidizing environments, such as concentrated nitric acid, over a wide range of temperatures. Because of its higher alloy content, AL 611 material will be more resistant to highly concentrated nitric acid than AL 610 alloy. Information provided by Allegheny Ludlum

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Allegheny-Ludlum-AL-611-Stainless-Steel-UNS-S30601.php

Physical Properties	Metric	English	Comments
Density	7.589 g/cc	0.2742 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	91	91	Typical
Tensile Strength, Ultimate	710 MPa	103000 psi	Typical
Tensile Strength, Yield	52.2 MPa @Strain 0.200 %	7570 psi @Strain 0.200 %	typical
Elongation at Break	63 %	63 %	typical in 2"

Component Elements Properties	Metric	English	Comments
Carbon, C	0.015 %	0.015 %	
Chromium, Cr	17 - 18 %	17 - 18 %	
Copper, Cu	0.35 %	0.35 %	
Iron, Fe	58 - 60 %	58 - 60 %	as balance
Manganese, Mn	0.50 - 0.80 %	0.50 - 0.80 %	
Molybdenum, Mo	0.20 %	0.20 %	
Nickel, Ni	17 - 18 %	17 - 18 %	
Nitrogen, N	0.050 %	0.050 %	
Phosphorous, P	0.030 %	0.030 %	
Silicon, Si	5.0 - 5.6 %	5.0 - 5.6 %	
Sulfur, S	0.013 %	0.013 %	

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