

ATI Allegheny Ludlum AL 17-4 High Strength Stainless Steel, UNS S17400

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

Material Notes:

Property data below is typical of annealed samples. Available in plate. For use in fasteners, fittings, military equipment and air frame parts. Information provided by Allegheny Ludlum

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Allegheny-Ludlum-AL-17-4-High-Strength-Stainless-Steel-UNS-S17400.php

Physical Properties	Metric	English	Comments
Density	7.76 g/cc	0.280 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	33	33	
Tensile Strength, Ultimate	1030 MPa	149000 psi	
Tensile Strength, Yield	760 MPa @Strain 0.200 %	110000 psi @Strain 0.200 %	
Elongation at Break	8.0 %	8.0 %	

Component Elements Properties	Metric	English	Comments
Chromium, Cr	17 %	17 %	
Copper, Cu	3.5 %	3.5 %	
Iron, Fe	75.5 %	75.5 %	as balance
Nickel, Ni	4.0 %	4.0 %	

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