

ATI Allegheny Ludlum AL 15-7 High Strength Stainless Steel, UNS S15700

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

Material Notes:

Property data below is typical of annealed samples. Available in sheet and strip. For use in high-strength springs, bellows, and aerospace applications. Information provided by Allegheny Ludlum

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Allegheny-Ludlum-AL-15-7-High-Strength-Stainless-Steel-UNS-S15700.php

Physical Properties	Metric	English	Comments
Density	7.81 g/cc	0.282 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	88	88	
Tensile Strength, Ultimate	900 MPa	131000 psi	
Tensile Strength, Yield	380 MPa @Strain 0.200 %	55100 psi @Strain 0.200 %	
Elongation at Break	30 %	30 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	1.1 %	1.1 %	
Chromium, Cr	15 %	15 %	
Iron, Fe	74.9 %	74.9 %	as balance
Molybdenum, Mo	2.0 %	2.0 %	
Nickel, Ni	7.0 %	7.0 %	

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