

## ATI Allegheny Ludlum AL 418™ Special (Greek Ascoloy) Martensitic Stainless Steel

Category : Metal , Ferrous Metal , Stainless Steel , T 400 Series Stainless Steel

### Material Notes:

Uses include engine braces, turbine exhaust components, exhaust struts, stiffeners, and ducts. Information provided by Allegheny Ludlum

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ATI-Allegheny-Ludlum-AL-418-Special-Greek-Ascoloy-Martensitic-Stainless-Steel.php](http://www.lookpolymers.com/polymer_ATI-Allegheny-Ludlum-AL-418-Special-Greek-Ascoloy-Martensitic-Stainless-Steel.php)

Physical Properties	Metric	English	Comments
Density	7.87 g/cc	0.284 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	25	25	
Tensile Strength, Ultimate	895 MPa	130000 psi	
Tensile Strength, Yield	725 MPa @Strain 0.200 %	105000 psi @Strain 0.200 %	
Elongation at Break	15 %	15 %	

Component Elements Properties	Metric	English	Comments
Chromium, Cr	13 %	13 %	
Iron, Fe	82 %	82 %	as balance
Nickel, Ni	2.0 %	2.0 %	
Tungsten, W	3.0 %	3.0 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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