



ASM Aerospace Specification Metals Inc.



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Allegheny Ludlum AM 350™ High Strength Specialty Steel Alloy, UNS S35000

Subcategory: Ferrous Metal; Metal; Stainless Steel; T 300 Series Stainless Steel

Key Words: ASTM A-693; ASME SA-693; AMS 5548

| Component | Wt. % |
|-----------|-------|
| Cr | 16.5 |
| Fe | 76 |
| Mn | 0.8 |
| Mo | 2.75 |
| Ni | 4.3 |

Material Notes:

Iron content above calculated as remainder.

Property data below is typical of annealed samples. Available in sheet and strip only. For use in valves, aircraft tubing, bellows, mounts, brackets, and ducts.

Information provided by Allegheny Ludlum

| Physical Properties | Metric | English | Comments |
|------------------------------|------------------|--------------------------|----------|
| Density | <u>7.81 g/cc</u> | 0.282 lb/in ³ | |
| Mechanical Properties | | | |
| Hardness, Rockwell B | 100 | 100 | |
| Tensile Strength, Ultimate | <u>1175 MPa</u> | 170000 psi | |
| Tensile Strength, Yield | <u>485 MPa</u> | 70300 psi | 0.2% YS |
| Elongation at Break | <u>30 %</u> | 30 % | |

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error.