

## ATI Allvac® AL 6XN® UNS N08367 Specialty Steel

Category : Metal , Ferrous Metal , Stainless Steel

### Material Notes:

Uses: Process equipment, flue-gas scrubber systems, multi-effect evaporators for brines, seawater, pulp & paper liquors. Property values are for samples in the metallurgical condition: 2050°F anneal. Information provided by Allvac, An Allegheny Teledyne Company.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ATI-Allvac-AL-6XN-UNS-N08367-Specialty-Steel.php](http://www.lookpolymers.com/polymer_ATI-Allvac-AL-6XN-UNS-N08367-Specialty-Steel.php)

| Physical Properties | Metric    | English                  | Comments |
|---------------------|-----------|--------------------------|----------|
| Density             | 8.06 g/cc | 0.291 lb/in <sup>3</sup> |          |

| Mechanical Properties      | Metric                     | English                      | Comments |
|----------------------------|----------------------------|------------------------------|----------|
| Hardness, Rockwell B       | 90                         | 90                           |          |
| Tensile Strength, Ultimate | 760 MPa                    | 110000 psi                   |          |
| Tensile Strength, Yield    | 345 MPa<br>@Strain 0.200 % | 50000 psi<br>@Strain 0.200 % |          |
| Elongation at Break        | 45 %                       | 45 %                         |          |
| Reduction of Area          | 60 %                       | 60 %                         |          |

| Component Elements Properties | Metric  | English | Comments   |
|-------------------------------|---------|---------|------------|
| Carbon, C                     | 0.015 % | 0.015 % |            |
| Chromium, Cr                  | 21 %    | 21 %    |            |
| Iron, Fe                      | 46 %    | 46 %    | as balance |
| Manganese, Mn                 | 1.0 %   | 1.0 %   |            |
| Molybdenum, Mo                | 6.5 %   | 6.5 %   |            |
| Nickel, Ni                    | 24.5 %  | 24.5 %  |            |
| Nitrogen, N                   | 0.22 %  | 0.22 %  |            |
| Phosphorous, P                | 0.020 % | 0.020 % |            |
| Silicon, Si                   | 0.50 %  | 0.50 %  |            |
| Sulfur, S                     | 0.015 % | 0.015 % |            |

Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China