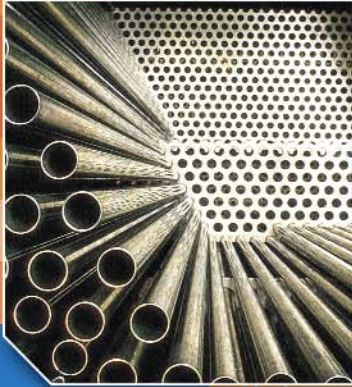


AL 2003

AL 2003™
UNS S32003

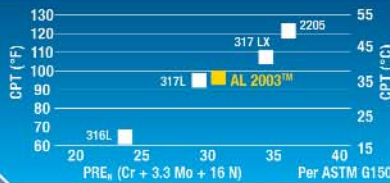
Lean Duplex Stainless Steel
Better Corrosion Resistance & Stronger
than Type 316L



Benefits of Alloy AL 2003™ LDSS Compared to Type 316L

- Higher strength
- Better pitting, crevice and stress corrosion cracking resistance in chloride environments
- Competitive and more stable cost
- Similar lead-times and availability

Higher Critical Pitting Temperature Than Type 316L



Grade	"Lean" Chemistry				PRE _N
	Cr	Ni	Mo	N	
316L	16.2	10.1	2.2	0.06	24.4
317L	18.2	11.1	3.1	0.06	29.4
AL 2003™	21.5	3.5	1.8	0.16	30.0
2205	22.5	5.5	3.3	0.16	36.0



Grade	Mechanical Properties For Annealed Sheet		
	Yield	Tensile	% Elongation
316L	44	90	55
317L	47	90	50
AL 2003™	80	110	35
2205	85	125	30

Specification Coverage

- ASTM A240/A240M
- ASTM A270
- ASTM A789/A789M
- ASTM A790/A790M
- ASTM A928/A928M
- ASTM A959
- NSF/ANSI Standard 61: Drinking Water Systems Components – Health Effects
- NDRSDK Standard M-650: Qualification of Manufacturers of Special Materials
- ASME Boiler and Pressure Vessel Code Case 2503-1 (UNS S32003) for Section VIII Division 1 Use
- API Standard 650: Welded Steel Tanks for Oil Storage



Your Solution to Volatile High Raw Material Surcharges

The Switch is On!®

AL 2003 LDSS is a low-nickel & low-molybdenum stainless steel that is more corrosion resistant & stronger than Type 316L.

Call us right away for technical assistance or visit our Featured Products area at www.alleghenyludlum.com to learn more about AL 2003 alloy.

We can help...You decide!

Contact Cheryl Botti at
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