

Stainless Steel (inc. High Performance) - 1.4307 / 304L

Hygienic Welded Tube

Stock	OD (in)	Wall (SWG)	Weight/m (Kg)
Welded and annealed, polished BA and also descaled			
1	16		0.99
1 1/2	16		1.51
2	16		1.88
2 1/2	16		2.49
3	16		3.01
3	16		4.03
4	14		4.98
All sizes also available welded, not annealed, polished and also descaled			

Properties

Chemical Properties	
Element	Chemical Composition %
Carbon (C)	0.0 - 0.03
Chromium (Cr)	17.5 - 19.5
Manganese (Mn)	0.0 - 2.0
Silicon (Si)	0.0 - 1.0
Phosphorus (P)	0.0 - 0.05
Sulphur (S)	0.0 - 0.02
Nickel (Ni)	8.0 - 10.50
Iron (Fe)	Balance
Above properties are for 1.4307	
1.4307/304L also corresponds to the following designation 304S11	

Mechanical Properties

Property	Value
Tensile Strength	500 to 670 MPa
Elongation	45% min
Compressive Strength	200 MPa
Above properties are for 1.4307	
1.4301/304 also corresponds to the following designation 304S11	

Physical Properties

Property	Value
Density	8.00 g/cm ³
Melting Point	1450°C
Thermal Expansion	17.2 x 10 ⁻⁶ /K
Modulus of Elasticity	193 GPa
Thermal Conductivity	16.2 W/m.K
Electrical Resistivity	0.072 x 10 ⁻⁶ Ω.m
1.4307/304L also corresponds to the following designation 304S11	

Disclaimer

This data is indicative only and as such is not to be relied upon in place of the full specification. In particular, mechanical property requirements vary widely with temper, product and product dimensions. All information is based on our present knowledge and is given in good faith. No liability will be accepted by the Company in respect of any action taken by any third party in reliance thereon.

The information provided in this datasheet has been drawn from various recognised sources, including EN Standards, recognised industry references (printed & online) and manufacturers' data. No guarantee is given that the information is from the latest issue of those sources or about the accuracy of those sources.

Material supplied by the Company may vary significantly from this data, but will conform to all relevant and applicable standards.

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