

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

Hygienic Fittings

Properties

Stock	Chemical Properties	
Fittings 1" - 4"	Element	Chemical Composition %
RJT & DIN hexagon nuts	Carbon (C)	0.0 - 0.03
RJT & DIN weld liners	Chromium (Cr)	17.5 - 19.5
RJT & DIN weld males	Manganese (Mn)	0.0 - 2.0
RJT & DIN joint rings	Silicon (Si)	0.0 - 1.0
RJT & DIN blank caps	Phosphorus (P)	0.0 - 0.05
RJT hose liners	Sulphur (S)	0.0 - 0.02
RJT blank nut and chain	Nickel (Ni)	8.0 - 10.50
IDF hex nuts unions	Iron (Fe)	Balance
IDF weld liners unions	Above properties are for 1.4307	
IDF weld males unions	1.4307/304L also corresponds to the following designation 304S11	
IDF joint rings unions		
Clamp union		
Clamp		
Clamp ferrule		
Clamp blank		
Clamp seal/joint ring		
ISO 90 degree bends polished		
ISO 45 degree bends polished		
ISO 90 degree bends descaled		
ISO 45 degree bends descaled		
Concentric reducer		
Equal tee polished		
Equal tee descaled		
Pulled tee polished		
Pulled tee descaled		
Pulled reducing tee polished		
Pulled reducing tee descaled		
Hinged pipe clips		
Saddle clips (blue insert)		

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.

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