

STAINLESS STEEL ROLL JACKETING

Product Description:

InsulGLOBAL High Performance Stainless Steel Roll Jacketing is produced from T-304 Stainless Steel Series Meeting ASTM A-240 Standards. Stainless Steel Roll Jacketing is available in smooth, Stucco embossed or 1-1/4 corrugation (cross crimped) finishes, and 0.10", 0.01", 0.020", 0.024", 0.032" thickness with a 2b mill finish stainless steel jacketing has extensive corrosion resistance properties and a high resistance to heat. InsulGLOBAL stainless steel Roll Jacketing has a soft-annealed temper, making it easy to handle to fabricate.

Melting Temperatures

T-304 Stainless Steel	2550 ° F- 2650 °F				
	1399 ° C- 1454 ° C				
T-316L Stainless Steel	2550 ° F- 2550 °F				
	1371 ° C- 1399 ° C				

Product Application

Stainless Steel Roll Jacketing is used in areas where extra protection from corrosion and abuse is needed it is used in refineries, plants and mills to protect pipes, vessels and tanks where chemical attack is a problem it can also be used in areas where high temperatures are or could be an issue

Stainless Steel Jacketing is Rcommended for use in the following:

- * Areas that require a high degree of protection from corrosion
- * Areas that require a high degree of protection of fire protection
- * Areas that require a high degree of protection protection from abuse
- * Freezers
- * Food processing plants
- * Paper Mills





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InsulGLOBAL Stainless Steel Properties Sheet - ASTM A-240

General Description and Characteristics:

InsulGLOBAL Stainless Steel T-304,316/L series alloys confirming to ASTM A-240 are widely used group of stainless steel. They offer good toughness, formability, corrosion resistance and have good mechanical properties. These grades are non-magnetic in the annealed condition.

<u>Finish:</u>

The material finish for banding can either be 2B(Matt Finish) or BA(Bright Finish). The finish will not affect its application or its properties.

Chemical Composition									
Stainless Steel Grade T-304, 316/L-ASTM A-240									
Grade	Carbon (C) max	Silicon (SI) max	Mangenese (MN) max	Phosphorus (P) max	Sulfur (S) max	Chromium (CR)	Nickel (NI)	Molybdenum (MO)	Nitrogen (N) max
304	0.07	0.75	2.0	0.045	0.015	18.0-19.5	8.0- 10.5	-	0.10
316	0.07	0.75	2.0	0.045	0.015	16.0-18.0	10.0- 13.0	2.02.5	0.10
316L	0.03	0.75	2.0	0.045	0.015	16.0-18.0	10.0- 13.0	2.0-2.5	0.10

<u>Physical Properties</u>									
Stainless Steel Grade T-304, 316/L-ASTM A-240									
Grade	Density (Kg/m3)	Elastic Modulus (GPA)	Mean Coefficient of Thermal Expansion (mm/m/°C)			Thermal Conductivity (W/m.k)		Specific Thermal Capacity	Electrical Resistivity
			20-100°C	20-300°C	20-500°C	At 100°C	At 500°C	at 20°C 9j/kg.k)	(w.mm2/m)
316/L	8000	200	16	17	18	16.3	21.5	500	0.75

Mechanical Properties								
Stainless Steel Grade T-304, 316/L-ASTM A-240								
Grade	Ultimate tensile Strength (MPA) Min	Yeild Strength 0.2% Proof (MPA) Min	Elongation (% on 50 mm) Min	Hardness Brinell (HB) Rockwell B (HR B) Max				
304	540	230	45	201	92			
316/L	530	240	40	04-Aug	95			

Safety:

Stainless Steel and its alloys are insert and non-reactive when used correctly. Potential health and safety risks are extremely low. While handling sharp edges gloves should be worn to prevent injury.

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