

Outokumpu 4305 Austenitic Stainless Steel

Category : Metal , Ferrous Metal , Austenitic , Stainless Steel

Material Notes:

Good general corrosion resistance.Applications: Where machinability is required - threaded bar, studs, domestic appliances.Available in bar and rod forms.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Outokumpu-4305-Austenitic-Stainless-Steel.php

Physical Properties	Metric	English	Comments
Density	7.90 g/cc	0.285 lb/in ³	RT

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	585 MPa	84800 psi	Outokumpu Typical, Hot Rolled Plate (Quarto); EN 10002-1
Tensile Strength, Yield	275 MPa @Strain 0.200 %	39900 psi @Strain 0.200 %	Outokumpu Typical,Hot Rolled Plate (Quarto); EN 10002-1
Elongation at Break	35 %	35 %	Outokumpu Typical, Hot Rolled Plate (Quarto); EN 10002-1
Modulus of Elasticity	200 GPa	29000 ksi	RT
	172 GPa @Temperature 400 °C	24900 ksi @Temperature 752 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	16.0 µm/m-°C	8.89 µin/in-°F	
	@Temperature 100 °C	@Temperature 212 °F	
	17.5 µm/m-°C	9.72 µin/in-°F	
	@Temperature 400 °C	@Temperature 752 °F	
Specific Heat Capacity	0.500 J/g-°C	0.120 BTU/lb-°F	RT
Thermal Conductivity	15.0 W/m-K	104 BTU-in/hr-ft ² -°F	RT
	20.0 W/m-K	139 BTU-in/hr-ft ² -°F	
	@Temperature 400 °C	@Temperature 752 °F	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.050 %	0.050 %	

Chromium, Cr Component Elements Properties	17.3 % Metric	17.3 % English	Comments
Iron, Fe	74.45 %	74.45 %	
Nickel, Ni	8.2 %	8.2 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000730 ohm-cm	0.0000730 ohm-cm	RT

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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