

Outokumpu 4313 Martensitic Stainless Steel

Category : Metal , Ferrous Metal , Martensitic , Stainless Steel

Material Notes:

Applications: Wet corrosion resistance and general service. Available in hot rolled plate (Quarto) form.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Outokumpu-4313-Martensitic-Stainless-Steel.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	850 MPa	123000 psi	Outokumpu Typical, Quenched & Tempered Hot Rolled Plate (Quarto); EN 10002-1
Tensile Strength, Yield	650 MPa @Strain 0.200 %	94300 psi @Strain 0.200 %	EN min.,RT; EN 10002-1
	700 MPa @Strain 0.200 %	102000 psi @Strain 0.200 %	Outokumpu Typical, Quenched & Tempered Hot Rolled Plate (Quarto); EN 10002-1
	770 MPa @Strain 1.00 %	112000 psi @Strain 1.00 %	Outokumpu Typical, Quenched & Tempered Hot Rolled Plate (Quarto); EN 10002-1
	530 MPa @Strain 0.200 %, Temperature 400 °C	76900 psi @Strain 0.200 %, Temperature 752 °F	EN min.; EN 10002-5
	560 MPa @Strain 0.200 %, Temperature 200 °C	81200 psi @Strain 0.200 %, Temperature 392 °F	EN min.; EN 10002-5
	590 MPa @Strain 0.200 %, Temperature 100 °C	85600 psi @Strain 0.200 %, Temperature 212 °F	EN min.; EN 10002-5
Elongation at Break	20 %	20 %	Outokumpu Typical, Quenched & Tempered Hot Rolled Plate (Quarto); EN 10002-1

Component Elements Properties	Metric	English	Comments
Carbon, C	0.050 %	0.050 %	
Chromium, Cr	13 %	13 %	
Iron, Fe	82.45 %	82.45 %	
Molybdenum, Mo	0.50 %	0.50 %	
Nickel, Ni	4.0 %	4.0 %	

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