

AK Steel 439 Ferritic Stainless steel

Category : Metal , Ferrous Metal , Ferritic , Stainless Steel , T 400 Series Stainless Steel

Material Notes:

AK Steel 439 has better oxidation and corrosion resistance than Type 409. This alloy also has optimum formability that is reproducible coil after coil and heat after heat. This provides special advantages when producing difficult-to-form exhaust system components. Information provided by AK Steel

Order this product through the following link:

http://www.lookpolymers.com/polymer_AK-Steel-439-Ferritic-Stainless-steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	74 - 78	74 - 78	
Tensile Strength, Ultimate	455 - 483 MPa	66000 - 70100 psi	
Tensile Strength, Yield	296 - 331 MPa @Strain 0.200 %	42900 - 48000 psi @Strain 0.200 %	
Elongation at Break	32 - 36 %	32 - 36 %	in 2 inches

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.025 %	<= 0.025 %	
Chromium, Cr	17 - 19 %	17 - 19 %	
Iron, Fe	>= 78.725 %	>= 78.725 %	As Remainder
Manganese, Mn	<= 0.50 %	<= 0.50 %	
Nickel, Ni	<= 0.50 %	<= 0.50 %	
Silicon, Si	<= 0.75 %	<= 0.75 %	
Titanium, Ti	0.20 - 0.50 %	0.20 - 0.50 %	

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