

ATI Allegheny Ludlum E-BRITE 26-1® Superferritic Stainless Steel, UNS S44627

Category : Metal , Ferrous Metal , Stainless Steel

Material Notes:

Property data below is typical of annealed samples. High purity superferritic stainless steel. Available in sheet and strip for use in chemical process equipment to combat chloride pitting and stress-corrosion cracking. Specific uses include solenoid valves, pressure vessels, coker components, heat exchangers, air preheaters, and heat recuperators. Information provided by Allegheny Ludlum

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Allegheny-Ludlum-E-BRITE-26-1-Superferritic-Stainless-Steel-UNS-S44627.php

Physical Properties	Metric	English	Comments
Density	7.76 g/cc	0.280 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	83	83	
Tensile Strength, Ultimate	550 MPa	79800 psi	
Tensile Strength, Yield	415 MPa @Strain 0.200 %	60200 psi @Strain 0.200 %	
Elongation at Break	25 %	25 %	

Component Elements Properties	Metric	English	Comments
Chromium, Cr	26 %	26 %	
Iron, Fe	73 %	73 %	as balance
Molybdenum, Mo	1.0 %	1.0 %	

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