

## MetalTek HASTELLOY® S Severe Corrosion and Heat Resistant Alloy

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

**Material Notes:**

Information provided by MetalTek

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_MetalTek-HASTELLOY-S-Severe-Corrosion-and-Heat-Resistant-Alloy.php](http://www.lookpolymers.com/polymer_MetalTek-HASTELLOY-S-Severe-Corrosion-and-Heat-Resistant-Alloy.php)

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	180	180	
Tensile Strength, Ultimate	>= 495 MPa	>= 71800 psi	
Tensile Strength, Yield	>= 240 MPa	>= 34800 psi	
Elongation at Break	>= 28 %	>= 28 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.020 %	<= 0.020 %	
Chromium, Cr	14.5 - 17 %	14.5 - 17 %	
Manganese, Mn	0.30 - 1.0 %	0.30 - 1.0 %	
Molybdenum, Mo	14 - 16.5 %	14 - 16.5 %	
Nickel, Ni	64.73 - 71 %	64.73 - 71 %	As Balance
Silicon, Si	0.20 - 0.75 %	0.20 - 0.75 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal	

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