

## MetalTek MTEK 35-50W Heat Resistant Stainless Steel

Category : Metal , Ferrous Metal , Heat Resisting , Stainless Steel , Cast Stainless Steel

**Material Notes:**

Information provided by MetalTek

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_MetalTek-MTEK-35-50W-Heat-Resistant-Stainless-Steel.php](http://www.lookpolymers.com/polymer_MetalTek-MTEK-35-50W-Heat-Resistant-Stainless-Steel.php)

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	200	200	
Tensile Strength, Ultimate	>= 450 MPa	>= 65300 psi	
Tensile Strength, Yield	>= 235 MPa	>= 34100 psi	
Elongation at Break	>= 4.0 %	>= 4.0 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.50 - 0.60 %	0.50 - 0.60 %	
Chromium, Cr	26 - 30 %	26 - 30 %	
Iron, Fe	11.9 - 21.5 %	11.9 - 21.5 %	As Balance
Manganese, Mn	<= 1.5 %	<= 1.5 %	
Nickel, Ni	45 - 50 %	45 - 50 %	
Silicon, Si	<= 2.0 %	<= 2.0 %	
Tungsten, W	3.5 - 4.0 %	3.5 - 4.0 %	

Descriptive Properties	Value	Comments
Heat Treatment	Not Heat Treated	

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