

## MetalTek MTEK 535 Martensitic Stainless Steel

Category : Metal , Ferrous Metal , Martensitic , 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-535-Martensitic-Stainless-Steel.php](http://www.lookpolymers.com/polymer_MetalTek-MTEK-535-Martensitic-Stainless-Steel.php)

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	330	330	
Tensile Strength, Ultimate	>= 1000 MPa	>= 145000 psi	
Tensile Strength, Yield	>= 880 MPa	>= 128000 psi	
Elongation at Break	>= 8.0 %	>= 8.0 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.060 - 0.11 %	0.060 - 0.11 %	
Chromium, Cr	9.8 - 11.2 %	9.8 - 11.2 %	
Cobalt, Co	5.0 - 7.0 %	5.0 - 7.0 %	
Iron, Fe	<= 83.54 %	<= 83.54 %	As Balance
Manganese, Mn	0.60 - 1.15 %	0.60 - 1.15 %	
Molybdenum, Mo	0.50 - 1.0 %	0.50 - 1.0 %	
Nickel, Ni	0.20 - 0.80 %	0.20 - 0.80 %	
Niobium, Nb (Columbium, Cb)	0.20 - 0.45 %	0.20 - 0.45 %	
Silicon, Si	0.10 - 0.70 %	0.10 - 0.70 %	

Descriptive Properties	Value	Comments
Heat Treatment	Harden & Temper	

## Contact Songhan Plastic Technology Co.,Ltd.

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