

## MetalTek Nitronic® 33 Austenitic Stainless Steel

Category : Metal , Ferrous Metal , Austenitic , Stainless Steel , Cast Stainless Steel

**Material Notes:**

Produced under license of ARMCO Advanced Materials Corp. Information provided by MetalTekWrought Grade NITRONIC 33®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_MetalTek-Nitronic-33-Austenitic-Stainless-Steel.php](http://www.lookpolymers.com/polymer_MetalTek-Nitronic-33-Austenitic-Stainless-Steel.php)

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	185	185	
Tensile Strength, Ultimate	>= 620 MPa	>= 89900 psi	
Tensile Strength, Yield	>= 355 MPa	>= 51500 psi	
Elongation at Break	>= 40 %	>= 40 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.080 %	<= 0.080 %	
Chromium, Cr	17 - 19 %	17 - 19 %	
Iron, Fe	61.27 - 69.05 %	61.27 - 69.05 %	As Balance
Manganese, Mn	11.5 - 14.5 %	11.5 - 14.5 %	
Nickel, Ni	2.25 - 3.75 %	2.25 - 3.75 %	
Nitrogen, N	0.20 - 0.40 %	0.20 - 0.40 %	
Silicon, Si	<= 1.0 %	<= 1.0 %	

Descriptive Properties	Value	Comments
Heat Treatment	Sol. Anneal	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China