

Crucible Steel 21-2N Martensitic Steel

Category : Metal , Ferrous Metal , Austenitic , Stainless Steel

Material Notes:

Information provided by Crucible Specialty Metals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Crucible-Steel-21-2N-Martensitic-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	<= 285	<= 285	
Hardness, Rockwell C	<= 42	<= 42	
Tensile Strength, Ultimate	>= 882.6 MPa	>= 128000 psi	
Tensile Strength, Yield	>= 490.3 MPa	>= 71110 psi	
Elongation at Break	>= 8.0 %	>= 8.0 %	
Reduction of Area	>= 5.0 %	>= 5.0 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.50 - 0.60 %	0.50 - 0.60 %	
Chromium, Cr	19.25 - 21.5 %	19.25 - 21.5 %	
Iron, Fe	>= 65 %	>= 65 %	As Remainder
Manganese, Mn	7.0 - 9.0 %	7.0 - 9.0 %	
Nickel, Ni	1.5 - 2.75 %	1.5 - 2.75 %	
Nitrogen, N	0.20 - 0.40 %	0.20 - 0.40 %	
Silicon, Si	<= 0.25 %	<= 0.25 %	

Descriptive Properties	Value	Comments
Heat Treatment, °C	1100-1150 W.C.; 730-780 A.C.	

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