

Crucible Steel SIL 10N 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-SIL-10N-Martensitic-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	<= 248	<= 248	
Hardness, Rockwell C	<= 38	<= 38	
Tensile Strength, Ultimate	>= 882.6 MPa	>= 128000 psi	
Tensile Strength, Yield	>= 490.3 MPa	>= 71110 psi	
Elongation at Break	>= 20 %	>= 20 %	
Reduction of Area	>= 30 %	>= 30 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.30 - 0.45 %	0.30 - 0.45 %	
Chromium, Cr	18 - 20 %	18 - 20 %	
Iron, Fe	>= 66.25 %	>= 66.25 %	As Remainder
Manganese, Mn	0.80 - 1.3 %	0.80 - 1.3 %	
Nickel, Ni	7.5 - 8.5 %	7.5 - 8.5 %	
Nitrogen, N	0.15 - 0.25 %	0.15 - 0.25 %	
Silicon, Si	2.75 - 3.25 %	2.75 - 3.25 %	

Descriptive Properties	Value	Comments
Heat Treatment, °C	1150-1200 W.Q.; 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