

Crucible Steel JIS SUH3 Martensitic Steel

Category : Metal , Ferrous Metal , Martensitic , Stainless Steel

Material Notes:

Information provided by Crucible Specialty Metals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Crucible-Steel-JIS-SUH3-Martensitic-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	>= 269	>= 269	
Hardness, Rockwell C	<= 34	<= 34	
Tensile Strength, Ultimate	>= 932 MPa	>= 135000 psi	
Tensile Strength, Yield	>= 686 MPa	>= 99500 psi	
Elongation at Break	>= 15 %	>= 15 %	
Reduction of Area	>= 35 %	>= 35 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.35 - 0.45 %	0.35 - 0.45 %	
Chromium, Cr	10 - 12 %	10 - 12 %	
Iron, Fe	>= 82.55 %	>= 82.55 %	As Remainder
Manganese, Mn	<= 0.60 %	<= 0.60 %	
Molybdenum, Mo	0.070 - 1.3 %	0.070 - 1.3 %	
Nickel, Ni	<= 0.60 %	<= 0.60 %	
Silicon, Si	1.8 - 2.5 %	1.8 - 2.5 %	

Descriptive Properties	Value	Comments
Heat Treatment, °C	980-1080 O.Q; 700-800 W.Q.	

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