

Crucible Steel AISI 52100 Alloy Steel

Category : Metal , Ferrous Metal , Alloy Steel , AISI 5000 Series Steel

Material Notes:

Information provided by Crucible Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_Crucible-Steel-AISI-52100-Alloy-Steel.php

Physical Properties	Metric	English	Comments
Density	7.83 g/cc	0.283 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	183 - 212	183 - 212	
Modulus of Elasticity	207 GPa	30000 ksi	

Component Elements Properties	Metric	English	Comments
Carbon, C	1.0 %	1.0 %	
Chromium, Cr	1.5 %	1.5 %	
Iron, Fe	96.9 %	96.9 %	as balance
Manganese, Mn	0.35 %	0.35 %	
Silicon, Si	0.25 %	0.25 %	

Chemical Properties	Metric	English	Comments
Critical Temperature	751.7 °C	1385 °F	

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