Industeel FORA 400 400 HB Wear Resistant Steel

Category : Metal , Ferrous Metal , Carbon Steel , Medium Carbon Steel

Material Notes:

Description: FORA 400 is a water quenched martensitic steel, with a typical hardness of 400HB (42.5 HRC), constituting a real answer to abrasive wear. Thanks to its toughness, its elevated hardness, its high yield strength, FORA 400 can be used wherever wear resistance to wear by sliding or by moderate impacts is required. Compared to conventional steels, such as S355, FORA 400 offers a real benefit to equipment life times and allows a significant thickness reduction in designs since its wear resistance is up to 3 times longer than S355 grade. Moreover, FORA 400 is very easily welded and has good forming properties thereby contributing to ease off fabrication. This steel is particularly suitable for applications in quarries, construction industry, mines, cement plants, iron and steel industry, etc.Information provided by manufacturer.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Industeel-FORA-400-400-HB-Wear-Resistant-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	360 - 440	360 - 440	Typical
Hardness, Rockwell C	39 - 47	39 - 47	Typical
Tensile Strength, Ultimate	1350 MPa	196000 psi	Typical
Tensile Strength, Yield	1100 MPa	160000 psi	Typical
Elongation at Break	13 %	13 %	Typical
Charpy Impact	35.0 J @Temperature -20.0 Â°C	25.8 ft-lb @Temperature -4.00 Â°F	Typical

Component Elements Properties	Metric	English	Comments
Carbon, C	0.20 %	0.20 %	
Chromium, Cr	1.0 %	1.0 %	
Iron, Fe	96.875 - 96.9 %	96.875 - 96.9 %	As remainder
Manganese, Mn	1.6 %	1.6 %	
Molybdenum, Mo	0.30 %	0.30 %	
Phosphorous, P	<= 0.020 %	<= 0.020 %	
Sulfur, S	<= 0.0050 %	<= 0.0050 %	

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