

EDRO #45 Free Machining Carbon Steel

Category : Metal , Ferrous Metal , Carbon Steel

Material Notes:

EDRO #45™ is a medium carbon steel stocked in as rolled condition. EDRO #45™ is characterized by: excellent machinability, responds to surface hardening, may be welded, and good dimensional stability. Applications: rubber molds, short run blanking dies, trimming dies, slides, holders, bolsters, etc. Information provided by EDRO

Order this product through the following link:

http://www.lookpolymers.com/polymer_EDRO-45-Free-Machining-Carbon-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	187	187	Delivery condition
Tensile Strength, Ultimate	662 MPa	96000 psi	1" thick plate as rolled
Tensile Strength, Yield	386 MPa	56000 psi	
Elongation at Yield	20 %	20 %	in 2"
Reduction of Area	40 %	40 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.42 - 0.50 %	0.42 - 0.50 %	
Iron, Fe	97.43 - 98.24 %	97.43 - 98.24 %	
Manganese, Mn	1.0 - 1.3 %	1.0 - 1.3 %	
Phosphorous, P	<= 0.040 %	<= 0.040 %	
Silicon, Si	0.10 - 0.40 %	0.10 - 0.40 %	
Sulfur, S	0.24 - 0.33 %	0.24 - 0.33 %	

Descriptive Properties	Value	Comments
Color Code	Purple	

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