

Carpenter Four Star High Speed Steel Red-Wear® (AISI M4)

Category : Metal , Ferrous Metal , Carbon Steel , High Carbon Steel , Tool Steel

Material Notes:

Carpenter Four Star, a molybdenum-tungsten high speed tool steel possessing high carbon and vanadium contents, provides a very high degree of wear resistance coupled with high strength. Applications: Lathe tools, Planer tools, Drills, Taps, Reamers, Broaches, Milling cutters, Form cutters, Thread chasers, Hobs, Counterbores, Inserts-heading dies Information provided by Carpenter Technology Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carpenter-Four-Star-High-Speed-Steel-Red-Wear-AISI-M4.php

Physical Properties	Metric	English	Comments
Density	7.97 g/cc	0.288 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	59 - 61	59 - 61	Tempered at 1200°F
	64 - 65	64 - 65	As hardened
Izod Impact Unnotched	47.0 J	34.7 ft-lb	when tempered at 900°F
Abrasion	20.2	20.2	loss in mm³, tested at 1000°F; ASTM G65
	28.4	28.4	loss in mm³, tested at 1175°F; ASTM G65

Component Elements Properties	Metric	English	Comments
Carbon, C	1.3 %	1.3 %	
Chromium, Cr	4.5 %	4.5 %	
Iron, Fe	79.6 %	79.6 %	As Balance
Manganese, Mn	0.30 %	0.30 %	
Molybdenum, Mo	4.5 %	4.5 %	
Silicon, Si	0.30 %	0.30 %	
Tungsten, W	5.5 %	5.5 %	
Vanadium, V	4.0 %	4.0 %	

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