

Latrobe CM-52,ç ASTM M52 High Speed Steel

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

Material Notes:

CM-52 is classified as an intermediate type high speed steel of the molybdenum chromium-vanadium variety. It is recommended for intermediate cutting applications such as commercial twist drills and wood working tools, where toughness is of prime importance and moderate wear resistance is required. Information Provided by Timken Latrobe Steel. Timken sold Latrobe in December 2006. They are now Latrobe Specialty Steels Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Latrobe-CM-52-ASTM-M52-High-Speed-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	54.5	54.5	Oil Quenched from 1175Å°C; 622Å°C Temper Temperature
	62.5	62.5	Oil Quenched from 1175Å°C; 482Å°C Temper Temperature
	63.5	63.5	Oil Quenched from 1175Å°C; 520Å°C Temper Temperature
Izod Impact Unnotched	38.0 J	28.0 ft-lb	Oil Quenched at 1175Å°C; 482Å°C Temper Temperature
	59.7 J	44.0 ft-lb	Oil Quenched at 1175Å°C; 594Å°C Temper Temperature
	63.7 J	47.0 ft-lb	Oil Quenched at 1175Å°C; 622Å°C Temper Temperature

Component Elements Properties	Metric	English	Comments
Carbon, C	0.89 %	0.89 %	
Chromium, Cr	4.0 %	4.0 %	
Iron, Fe	89.96 %	89.96 %	
Manganese, Mn	0.25 %	0.25 %	
Molybdenum, Mo	4.5 %	4.5 %	
Silicon, Si	0.45 %	0.45 %	
Tungsten, W	1.1 %	1.1 %	
Vanadium, V	1.85 %	1.85 %	

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