

## Latrobe Tatmo-V, ç AISI M7 High Speed Steel

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

### Material Notes:

Tatmo-V is an M7 grade high speed steel with superior abrasion resistance because of its high carbon and vanadium content. It is an excellent choice for premium grade tools which require an outstanding balance of red hardness, edge toughness, and wear resistance. Increased tool life of Tatmo-V is noted in the machining of semi-hard, heat treated steel parts. 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-Tatmo-V-AISI-M7-High-Speed-Steel.php](http://www.lookpolymers.com/polymer_Latrobe-Tatmo-V-AISI-M7-High-Speed-Steel.php)

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	42	42	
	@Temperature 649 Â°C	@Temperature 1200 Â°F	
	65	65	
	@Temperature 50.0 Â°C	@Temperature 122 Â°F	
Izod Impact Unnotched	33.2 J	24.5 ft-lb	Oil Quenched at 1204Â°C; 482Â°C Temper Temperature
	38.0 J	28.0 ft-lb	Oil Quenched at 1204Â°C; 593Â°C Temper Temperature
	40.7 J	30.0 ft-lb	Oil Quenched at 1204Â°C; 622Â°C Temper Temperature
	40.7 J	30.0 ft-lb	Oil Quenched at 1177Â°C; 482Â°C Temper Temperature
	42.0 J	31.0 ft-lb	Oil Quenched at 1177Â°C; 593Â°C Temper Temperature
	46.1 J	34.0 ft-lb	Oil Quenched at 1177Â°C; 622Â°C Temper Temperature

Component Elements Properties	Metric	English	Comments
Carbon, C	1.0 %	1.0 %	
Chromium, Cr	3.75 %	3.75 %	
Iron, Fe	83.1 %	83.1 %	
Molybdenum, Mo	8.55 %	8.55 %	
Tungsten, W	1.6 %	1.6 %	
Vanadium, V	2.0 %	2.0 %	

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