

Latrobe LSS,ç D7 Tool Steel (ASTM D7)

Category : Metal , Ferrous Metal , Alloy Steel , Carbon Steel , High Carbon Steel , Tool Steel , Air-Hardening Steel

Material Notes:

TLS D7 tool steel is a high-carbon, high-chromium air-hardening tool steel that exhibits exceptional wear resistance. The high carbon and vanadium contents result in numerous, hard vanadium carbide particles in the steel. These carbides exhibit a hardness that is equivalent to approximately 80 to 85 Rockwell C. TLS D7 tool steel resists wear from sliding contact with other steels as well as from contact with dry and wet slurries of hard abrasive particles such as sand, shot blast media, and ceramics. Typical applications include brick mold liners, briquetting dies, shot blasting equipment liners, tools for ceramic extrusion and molding, powder compaction tooling, deep drawing dies, flattening rolls, and machine tool ways. 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-LSS-D7-Tool-Steel-ASTM-D7.php

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	62.5	62.5	Air Cooled from 982Â°C, 30 minutes
	64	64	Air Cooled from 1149Â°C, 30 minutes
	65.5	65.5	Air Cooled from 1038Â°C, 30 minutes
	66	66	Air Cooled from 1093Â°C, 30 minutes
Machinability	30 - 35 %	30 - 35 %	1% Carbon Steel
Izod Impact Unnotched	21.7 J	16.0 ft-lb	Air Cooled from 1038Â°C; As Quenched
	24.4 J	18.0 ft-lb	Air Cooled from 1010Â°C; As Quenched
	35.3 J	26.0 ft-lb	Air Cooled from 1038Â°C; 593Â°C Temper Temperature
	38.0 J	28.0 ft-lb	Air Cooled from 1010Â°C; 593Â°C Temper Temperature

Component Elements Properties	Metric	English	Comments
Carbon, C	2.3 %	2.3 %	
Chromium, Cr	12.5 %	12.5 %	
Iron, Fe	79.3 %	79.3 %	
Manganese, Mn	0.40 %	0.40 %	
Molybdenum, Mo	1.1 %	1.1 %	
Silicon, Si	0.40 %	0.40 %	

Component Elements Properties

Metric

English

Comments

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