

Latrobe BR-3® High Carbon-Medium Chromium Die Steel (AISI A7)

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

Material Notes:

BR-3 is a super abrasion resistant cold work die steel, used primarily for special applications subject to extreme wear such as refractory brick mold press liners, shot blast liners, and ceramic tile liners. Because BR-3 contains carefully balanced high percentages of carbon and vanadium, it possesses a multitude of hard abrasion resisting vanadium carbides which account for its superior wear resistance. 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-BR-3-High-Carbon-Medium-Chromium-Die-Steel-AISI-A7.php

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	56.5	56.5	At 1030°C; Air Quenched
	66	66	Air Quenched
	@Temperature 871 °C	@Temperature 1600 °F	
	67	67	Air Quenched
	@Temperature 915 °C	@Temperature 1680 °F	

Component Elements Properties	Metric	English	Comments
Carbon, C	2.8 %	2.8 %	
Chromium, Cr	5.25 %	5.25 %	
Iron, Fe	85.35 %	85.35 %	
Manganese, Mn	0.70 %	0.70 %	
Molybdenum, Mo	1.1 %	1.1 %	
Silicon, Si	0.30 %	0.30 %	
Vanadium, V	4.5 %	4.5 %	

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