

Latrobe Lescalloy® 9310 VAC-ARC Premium Carburizing Steel

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

Material Notes:

9310 VAC-ARC is a premium quality alloy carburizing steel produced by the vacuum consumable electrode process. It has a high hardenability, high core hardness and high fatigue strength, all of which make it ideally suited for critical aircraft engine gears. Heat Treatment - Carburized at 1700°F for 8 hrs. Slow cooled to room temperature. Heated to 1425°F, oil quenched. Tempered at 300°F, 2 hrs. 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-Lescalloy-9310-VAC-ARC-Premium-Carburizing-Steel.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	331	331	In Core
Hardness, Rockwell C	36	36	5/8" from quench end; Jominy End Quench Hardenability
	37	37	1/2" from quenched end; Jominy End Quench Hardenability
	39	39	1/8" from quenched end; Jominy End Quench Hardenability
Tensile Strength, Ultimate	1070 MPa	155000 psi	In Core
Tensile Strength, Yield	896 MPa	130000 psi	
Elongation at Break	15.5 %	15.5 %	in 2"
Reduction of Area	52 %	52 %	
Machinability	40 %	40 %	B-1112 Steels

Component Elements Properties	Metric	English	Comments
Carbon, C	0.10 %	0.10 %	
Chromium, Cr	1.2 %	1.2 %	
Iron, Fe	94.58 %	94.58 %	
Manganese, Mn	0.50 %	0.50 %	
Molybdenum, Mo	0.12 %	0.12 %	
Nickel, Ni	3.25 %	3.25 %	
Silicon, Si	0.25 %	0.25 %	

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