

Latrobe Lescalloy® 35NCD16 VAC-ARC High Strength Alloy Steel

Category : Metal , Ferrous Metal , Alloy Steel , Low Alloy Steel , Carbon Steel , Medium Carbon Steel

Material Notes:

LESCALLOY 35NCD16 VAC-ARC is a high strength, low alloy vacuum arc remelted steel which takes its name from the French industry designation. The combination of high strength, high fracture toughness and superior cleanliness available with Lescalloy 35NCD16 VAC-ARC steel readily identify it as a candidate for aerospace structural applications. 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-35NCD16-VAC-ARC-High-Strength-Alloy-Steel.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	1970 MPa	285000 psi	
Tensile Strength, Yield	1550 MPa @Strain 0.200 %	225000 psi @Strain 0.200 %	
Elongation at Break	8.0 %	8.0 %	% in 5D
	10 %	10 %	in 4D
Reduction of Area	40 %	40 %	
Fracture Toughness	80.94 - 87.83 MPa- m ^{1/2}	73.66 - 79.93 ksi-in ^{1/2}	L-T
Charpy Impact	21.69 J	16.00 ft-lb	U-Notch

Component Elements Properties	Metric	English	Comments
Carbon, C	0.40 %	0.40 %	
Chromium, Cr	1.8 %	1.8 %	
Iron, Fe	92.57 %	92.57 %	
Manganese, Mn	0.45 %	0.45 %	
Molybdenum, Mo	0.45 %	0.45 %	
Nickel, Ni	4.0 %	4.0 %	
Silicon, Si	0.30 %	0.30 %	
Vanadium, V	0.030 %	0.030 %	

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