

AFE Technologies Cronite 657 Nickel Alloy Castings

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

Material Notes:

High temperature nickel alloy castings. Applications include heat treatment and handling products, furnace products, tubes, power generation, and petrochemical industries. Information provided by AFE Technologies/North American Cronite, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_AFE-Technologies-Cronite-657-Nickel-Alloy-Castings.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	450 MPa	65300 psi	As Cast
Tensile Strength, Yield	230 MPa	33400 psi	As Cast
Elongation at Break	10 %	10 %	As Cast; 5.65 A^{0.5}
Rupture Strength	8.80 MPa	1280 psi	Stress Rupture
	@Temperature 1000 °C, Time 3.60e+7 sec	@Temperature 1830 °F, Time 10000 hour	
	15.0 MPa	2180 psi	Stress Rupture
	@Temperature 950 °C, Time 3.60e+7 sec	@Temperature 1740 °F, Time 10000 hour	
	23.0 MPa	3340 psi	Stress Rupture
	@Temperature 900 °C, Time 3.60e+7 sec	@Temperature 1650 °F, Time 10000 hour	
	34.0 MPa	4930 psi	Stress Rupture
	@Temperature 850 °C, Time 3.60e+7 sec	@Temperature 1560 °F, Time 10000 hour	
48.0 MPa	6960 psi	Stress Rupture	
@Temperature 800 °C, Time 3.60e+7 sec	@Temperature 1470 °F, Time 10000 hour		
64.0 MPa	9280 psi	Stress Rupture	
@Temperature 750 °C, Time 3.60e+7 sec	@Temperature 1380 °F, Time 10000 hour		
100 MPa	14500 psi	Stress Rupture	
@Temperature 700 °C, Time 3.60e+7 sec	@Temperature 1290 °F, Time 10000 hour		

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