

ATI Allvac® 718-OP® UNS N07718 Nickel Superalloy

Category : Metal , Nonferrous Metal , Nickel Alloy , Superalloy

Material Notes:

Uses: Turbines and engines, fasteners, sub-surface safety valves, hot extrusion tooling, nuclear reactors. Property values are for samples in the metallurgical condition: 1800°F age. Information provided by Allvac, An Allegheny Teledyne Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Allvac-718-OP-UNS-N07718-Nickel-Superalloy.php

Physical Properties	Metric	English	Comments
Density	8.19 g/cc	0.296 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	42	42	
Tensile Strength, Ultimate	1345 MPa	195100 psi	
Tensile Strength, Yield	1104 MPa @Strain 0.200 %	160100 psi @Strain 0.200 %	
Elongation at Break	22 %	22 %	
Reduction of Area	35 %	35 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	0.50 %	0.50 %	
Carbon, C	0.020 %	0.020 %	
Chromium, Cr	19 %	19 %	
Iron, Fe	17 %	17 %	as balance
Molybdenum, Mo	3.1 %	3.1 %	
Nickel, Ni	54 %	54 %	
Niobium, Nb (Columbium, Cb)	5.2 %	5.2 %	
Titanium, Ti	0.90 %	0.90 %	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China