

ATI Allvac® 55, Titanium Alloy, Heat Treatment: 704°C (1300°F) Anneal

Category : Metal , Nonferrous Metal , Titanium Alloy , Unalloyed/Modified Titanium

Material Notes:

Data provided by Allvac.Applications: Airframe skin, heat exchangers, cryogenic vessels, components for CPI equipment, condenser tubing, exhaust pipe shrouds.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Allvac-55-Titanium-Alloy-Heat-Treatment-704C-1300F-Anneal.php

Physical Properties	Metric	English	Comments
Density	4.51 g/cc	0.163 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	90	90	
Tensile Strength, Ultimate	448 MPa	65000 psi	
Tensile Strength, Yield	379 MPa @Strain 0.200 %	55000 psi @Strain 0.200 %	
Elongation at Break	18 %	18 %	
Reduction of Area	30 %	30 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.10 %	<= 0.10 %	
Hydrogen, H	<= 0.015 %	<= 0.015 %	
Iron, Fe	<= 0.30 %	<= 0.30 %	
Nitrogen, N	<= 0.050 %	<= 0.050 %	
Oxygen, O	<= 0.35 %	<= 0.35 %	
Titanium, Ti	99 %	99 %	as balance

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