

Misumi ANP79 Aluminum Alloy

Category : Metal , Nonferrous Metal , Aluminum Alloy , 7000 Series Aluminum Alloy

Material Notes:

Similar in hardness to 7075 Aluminum Alloy with lower internal stresses. Higher uniformity than 7075. Information provided by MISUMI Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Misumi-ANP79-Aluminum-Alloy.php

Physical Properties	Metric	English	Comments
Density	2.77 g/cc	0.100 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	165	165	
Tensile Strength, Ultimate	560 MPa	81200 psi	
Tensile Strength, Yield	500 MPa	72500 psi	
Elongation at Break	12.0 %	12.0 %	

Thermal Properties	Metric	English	Comments
CTE, linear	22.1 $\mu\text{m/m}\cdot\text{C}^\circ$	12.3 $\mu\text{in/in}\cdot\text{F}^\circ$	
	@Temperature 20.0 - 100 C°	@Temperature 68.0 - 212 F°	
Thermal Conductivity	130 W/m-K	899 BTU-in/hr-ft ² - F°	

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.00000560 ohm-cm	0.00000560 ohm-cm	

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