

ALIMEX ACP 6000 Aluminum Cast Plate

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

Material Notes:

Aluminum cast plate ACP 6000 is a 7xxx series alloy surface-machined plate. This type of alloy ensures excellent machinability characteristics and adequate tensile strength. Thickness, flatness and surface finish offer very close tolerances. Information provided by ALIMEX GmbH Homogenized and stress relieved

Order this product through the following link:

http://www.lookpolymers.com/polymer_ALIMEX-ACP-6000-Aluminum-Cast-Plate.php

Physical Properties	Metric	English	Comments
Density	2.80 g/cc	0.101 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	65	65	
Tensile Strength, Ultimate	165 MPa	23900 psi	Rm
Tensile Strength, Yield	105 MPa @Strain 0.200 %	15200 psi @Strain 0.200 %	
Elongation at Break	3.0 %	3.0 %	
Modulus of Elasticity	71.0 GPa	10300 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	24.3 µm/m-°C @Temperature 20.0 °C	13.5 µin/in-°F @Temperature 68.0 °F	
Thermal Conductivity	142 W/m-K	984 BTU-in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.000004778 ohm-cm	0.000004778 ohm-cm	

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