

ALIMEX ACP 5080 Aluminum Cast Plate

Category : Metal , Nonferrous Metal , Aluminum Alloy , 5000 Series Aluminum Alloy , Aluminum Casting Alloy

Material Notes:

ACP 5080 is a 5xxx series precision aluminum cast plate. Thickness, flatness and surface finish offer very tight tolerances. Material stability and excellent processing characteristics make this aluminum alloy the right choice for fixtures, tools and general applications. Information provided by ALIMEX GmbH Homogenized and stress relieved

Order this product through the following link:

http://www.lookpolymers.com/polymer_ALIMEX-ACP-5080-Aluminum-Cast-Plate.php

Physical Properties	Metric	English	Comments
Density	2.66 g/cc	0.0960 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	70	70	
Tensile Strength, Ultimate	290 MPa	42100 psi	Rm
Tensile Strength, Yield	130 MPa @Strain 0.200 %	18900 psi @Strain 0.200 %	
Elongation at Break	16 %	16 %	
Modulus of Elasticity	70.0 GPa	10200 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	109 - 140 W/m-K	756 - 972 BTU-in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.000004914 ohm-cm	0.000004914 ohm-cm	

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