

ALIMEX 5083 O/H111 Aluminum Alloy Rolled

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

Material Notes:

Rolled aluminium material according to DIN EN standard. Information provided by ALIMEX GmbH Annealed and slightly strain-hardened

Order this product through the following link:

http://www.lookpolymers.com/polymer_ALIMEX-5083-OH111Aluminum-Alloy-Rolled.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	>= 255 MPa	>= 37000 psi	Rm
Tensile Strength, Yield	>= 105 MPa @Strain 0.200 %	>= 15200 psi @Strain 0.200 %	
Elongation at Break	<= 16 %	<= 16 %	
Modulus of Elasticity	70.0 GPa	10200 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	24.2 µm/m-°C @Temperature 20.0 °C	13.4 µin/in-°F @Temperature 68.0 °F	
Thermal Conductivity	110.0 - 140.0 W/m-K	763.4 - 971.6 BTU- in/hr-ft ² -°F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000526 - 0.00000625 ohm-cm	0.00000526 - 0.00000625 ohm-cm	

Descriptive Properties	Value	Comments
Corrosion Resistance	Very good	
Machinability	Good	
Protective Anodizing	Good, not decorative	
Welding Properties (WIG, MIG)	Good	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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