

PEAK Werkstoff DISPAL S691 Aluminum Alloy, AlCu5Ti

Category : Metal , Nonferrous Metal , Aluminum Alloy

Material Notes:

High stiffness and elongation at ruptureInformation provided by PEAK Werkstoff GmbH

Order this product through the following link:

http://www.lookpolymers.com/polymer_PEAK-Werkstoff-DISPAL-S691-Aluminum-Alloy-AlCu5Ti.php

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

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	500 - 540 MPa	72500 - 78300 psi	after heat treatment
Tensile Strength, Yield	350 - 460 MPa @Strain 0.200 %	50800 - 66700 psi @Strain 0.200 %	after heat treatment
Elongation at Break	10 - 20 %	10 - 20 %	after heat treatment
Modulus of Elasticity	75.0 GPa	10900 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	23.0 µm/m-°C	12.8 µin/in-°F	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	94 %	94 %	As Balance
Copper, Cu	5.0 %	5.0 %	
Titanium, Ti	1.0 %	1.0 %	

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