

CLAL-MSX DECLAFOR® 1015 TF Wire quenched/Precipitation Heat Treated Copper Alloy

Category : Metal , Nonferrous Metal , Copper Alloy

Material Notes:

Main Characteristic: Age hardening alloy Beryllium free alloy Good machinability High mechanical properties Typical Applications: Coaxial connectors Spectacles parts Sliding contacts parts All kind of turned parts Information provided by CLAL-MSX

Order this product through the following link:

http://www.lookpolymers.com/polymer_CLAL-MSX-DECLAFOR-1015-TF-Wire-quenchedPrecipitation-Heat-Treated-Copper-Alloy.php

Physical Properties	Metric	English	Comments
Density	8.80 g/cc	0.318 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Vickers	<= 250	<= 250	
Tensile Strength, Ultimate	700 - 800 MPa	102000 - 116000 psi	
Tensile Strength, Yield	540 - 650 MPa @Strain 0.200 %	78300 - 94300 psi @Strain 0.200 %	
Elongation at Break	>= 15 %	>= 15 %	Alo 100 mm
Modulus of Rigidity	115 GPa	16700 ksi	Torsion

Thermal Properties	Metric	English	Comments
CTE, linear	17.2 µm/m-°C @Temperature 0.000 - 200 °C	9.56 µin/in-°F @Temperature 32.0 - 392 °F	
Thermal Conductivity	55.0 W/m-K	382 BTU-in/hr-ft ² -°F	
Melting Point	960 °C	1760 °F	

Component Elements Properties	Metric	English	Comments
Copper, Cu	87 %	87 %	
Nickel, Ni	7.5 %	7.5 %	
Other	0.50 %	0.50 %	
Tin, Sn	5.0 %	5.0 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000130 ohm-cm	0.0000130 ohm-cm	

Descriptive Properties	Value	Comments
Color	Pinky roseate	

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