

Plansee MoILQ Molybdenum Incandescent Light Quality

Category : Metal , Nonferrous Metal , Molybdenum Alloy , Refractory Metal

Material Notes:

Characteristics: Recrystallization temperature higher than pure Mo
Finer grain structure than pure Mo
Applications: This grade was developed for use in the lighting industry. It is more easily formed than other grades of Mo-La alloys. It can be used to create core and support wires for filaments in both incandescent and halogen lamps.
Information provided by Plansee.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plansee-MoILQ-Molybdenum-Incandescent-Light-Quality.php

Physical Properties	Metric	English	Comments
Specific Gravity	10.2 g/cc	10.2 g/cc	Calculated

Thermal Properties	Metric	English	Comments
Thermal Conductivity	142 W/m-K	985 BTU-in/hr-ft ² -°F	comparable with pure Mo

Component Elements Properties	Metric	English	Comments
Molybdenum, Mo	99.97 %	99.97 %	Balance
Other, each	0.030 %	0.030 %	Lanthanum Oxide

Processing Properties	Metric	English	Comments
Recrystallization Temperature	1200 °C	2190 °F	Deformation level - 90%
	1400 °C	2550 °F	Deformation level - 99.99%

Descriptive Properties	Value	Comments
Creep Resistance	greater than pure Mo	
Ductility	greater than pure Mo	
Stability at High Temperature	greater than pure Mo	
Stability at Room Temperature	comparable with pure Mo	
Weldability	greater than pure Mo	

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