

Plansee MW30 Molybdenum-Tungsten

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

Material Notes:

Characteristics:Improved high temperature properties when compared to pure tungstenImproved corrosion resistance compared to pure tungstenEnhanced etchabilityApplications:Manufacture of ZincGlass Industry - stirring toolsManufacture of thin-film transistorsInformation provided by Plansee.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plansee-MW30-Molybdenum-Tungsten.php

Physical Properties	Metric	English	Comments
Specific Gravity	12.9 g/cc	12.9 g/cc	Calculated

Component Elements Properties	Metric	English	Comments
Molybdenum, Mo	70 %	70 %	Balance
Tungsten, W	30 %	30 %	

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

Descriptive Properties	Value	Comments
Creep Resistance	greater than pure Mo	
Ductility	comparable with pure Mo	
Stability at High Temperature	greater than pure Mo	
Stability at Room Temperature	greater than pure Mo	
Thermal Conductivity	Less than pure Mo (142 W/m-K)	
Weldability	comparable with pure Mo	

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