

Plansee WL20 Lanthanum Oxide-doped Tungsten

Category : Metal , Nonferrous Metal , Refractory Metal , Tungsten Alloy

Material Notes:

Tungsten alloy suitable for use as ion sources, lamp electrodes and welding electrodes.Characteristics (compared to pure tungsten):Improved creep resistanceHigher recrystallization temperatureMachines more easilyLower electron work functionInformation provided by Plansee.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plansee-WL20-Lanthanum-Oxide-doped-Tungsten.php

Physical Properties	Metric	English	Comments
Specific Gravity	19.0 g/cc	19.0 g/cc	Calculated

Thermal Properties	Metric	English	Comments
Thermal Conductivity	164 W/m-K	1140 BTU-in/hr-ft ² -°F	comparable to pure W

Component Elements Properties	Metric	English	Comments
Other, each	2.0 %	2.0 %	Lanthanum Oxide

Descriptive Properties	Value	Comments
Creep Resistance	greater than pure W	
Ductility	greater than pure W	
Fineness of Grain	greater than pure W	
Machinability/Workability	much greater than pure W	
Recrystallization Temperature	greater than pure W	
Stability at High Temperature	greater than pure W	

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