

## Plansee MoRe5 Molybdenum-Rhenium

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

**Material Notes:**

Highly ductile alloy, even below room temperature. Applications: thermocouple wires Information provided by Plansee.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plansee-MoRe5-Molybdenum-Rhenium.php](http://www.lookpolymers.com/polymer_Plansee-MoRe5-Molybdenum-Rhenium.php)

Physical Properties	Metric	English	Comments
Specific Gravity	10.8 g/cc	10.8 g/cc	Calculated

Component Elements Properties	Metric	English	Comments
Molybdenum, Mo	95 %	95 %	Balance
Rhenium, Re	5.0 %	5.0 %	

Descriptive Properties	Value	Comments
Creep Resistance	greater than pure Mo	
Ductility	much greater than pure Mo	
Recrystallization Temperature	greater than 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	much greater than pure Mo	

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