

供应MOLDMAX XL美国进口高铍铜

产品名称	供应MOLDMAX XL美国进口高铍铜
公司名称	东莞市谦仁金属材料有限公司
价格	480.00/千克
规格参数	品牌:美国布鲁斯威尔曼 型号:MOLDMAX XL
公司地址	广东东莞长安上沙上横街
联系电话	0769-87094290 13418349006

产品详情

MoldMAX XL? Alloy

Materion Brush Performance Alloys' MoldMAX XL Alloy is a high strength copper mold alloy with good thermal conductivity. The alloy contains no beryllium and is available in sections as large as 12" thick. The alloy's hardness is comparable with AISI P-20 tool steel, but its thermal conductivity is two to three times higher. MoldMAX XL Alloy is used as injection mold cores and cavities. The alloy provides excellent toughness, wear resistance and surface finish. MoldMAX XL Alloy typically machines faster than tool steels, and with appropriate machine tools, metal removal rates several times higher can be obtained.

CHEMICAL COMPOSITION (weight percent)

Alloy Nickel Tin Copper MoldMAX XL Alloy 8.5-9.5 5.5-6.5 Balance

PHYSICAL PROPERTIES

Elastic Modulus Melting Point (Solidus) Density Thermal Expansion Thermal Conductivity (100 °C) Heat Capacity (100 °C) 17,000 ksi 120 GPa ~1695 °F ~925 °C 0.322 lb/in³ 8.90 g/cm³ 39.0 x 10⁻⁶ in/in °F 16.2 x 10⁻⁶ °C -140 BTU/hr · ft · °F 70 W/m · °C 0.093 BTU/lb · °F 0.39 J/g · °C

TYPICAL MECHANICAL PROPERTIES*

0.2% Offset Yield Strength (nominal) Ultimate Tensile Strength Fatigue Strength 10⁷ Cycles (R=-1) Elongation Impact Strength Hardness 105 ksi 720 MPa 115 ksi 790 MPa 35 ksi 240 MPa 6% 15 ft · lb 20 J 30 HRC

*Properties may vary by shape and thickness.