



Molybdenum363 Steel

Molybdenum363 Steel is formed by a vacuum arc melting alloys.Molybdenum363 Steel has a significant advantage in high temperature applications than the intensity of the long-term stability of molybdenum is very important new development Mo-La alloy especially at high temperatures with amazing resistance to creep and high-temperature deformation.

Molybdenum363 Steel Features: Good property of wear-resistance, heat resistance, corrosion resistance and high strength(stainless steel plate)

Molybdenum363 Steel Applications : it's widely used in special steel melting, aerospace, military industry and so on.

Molybdenum363 Steel Material Properties

| | |
|------------------------------------|---|
| Density | 10.20 g/cm ³ (637 lb/ft ³) |
| Elastic (Young's, Tensile) Modulus | 330 GPa (48 x 10 ⁶ psi) |
| Elongation at Break | 18 to 20 % |
| Specific Heat Capacity | 250 J/kg-K |
| Strength to Weight Ratio | 61 to 82 kN-m/kg |
| Tensile Strength: Ultimate (UTS) | 620 to 840 MPa (90 to 122 x 10 ³ psi) |
| Tensile Strength: Yield (Proof) | 410 to 710 MPa (59 to 103 x 10 ³ psi) |
| Thermal Expansion | 19.8 μm/m-K |

Molybdenum363 Alloy Steel Composition

| | |
|-----------------|----------------|
| Molybdenum (Mo) | 99.3 to 99.5 % |
| Titanium (Ti) | 0.40 to 0.55 % |
| Zirconium (Zr) | 0.06 to 0.12 % |
| Carbon (C) | 0.01 to 0.03 % |
| Iron (Fe) | 0 to 0.01 % |
| Silicon (Si) | 0 to 0.01 % |
| Oxygen (O) | 0 to 0.003 % |
| Nickel (Ni) | 0 to 0.002 % |
| Nitrogen (N) | 0 to 0.002 % |



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Molybdenum363 Steel is the main products for Katalor Enterprises Co., Ltd, we have many years experience. If you need Molybdenum363 Steel, please contact us. We'd like to provide you the competitive price, good quality and best service.

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