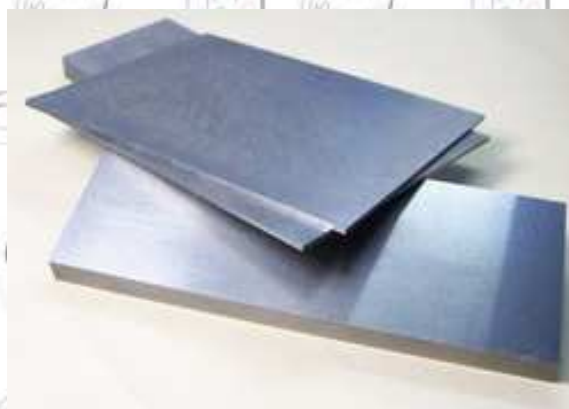




molybdenum

FEATURES

- High strength and stiffness
- Low thermal expansion
- Corrosion-proof
- Good electrical resistivity
- High working temperature



QUALITY GRADE		Mo	Mo_La	TZM
PHYSICAL PROPERTIES				
Density	g/cm ³	10,20		
Tensile Strength	MPa	780	775	3000
Young Modulus	GPa	--	--	317
Co-eff. Thermal Expansi3n	10 ⁻⁶ /3C	5,1		
Thermal Conductivity (0-100 3C)	W/m.K	138		
Specific Heat at 20 3C	J/gK	0,254		
Electrical Resistivity	$\mu\Omega\text{cm}$	5,34		
Melting Point	3C	2.620		
Boiling Point	3C	5.560		
Safe Use Temperature	3C	1.100	1.500	1.600
COMPOSITION		Pure	Lanthanum	Ti+Zr+C
Mo	%	≥ 99,95	≥ 99,00	≥ 99,00
La ₂ O ₃	%		0,2 -0,6	
Ti	%			0,50
Zr	%			0,08
C	%			0,02

NOTA: These properties are typical average value and are for general guidance only, not compromising the CarboSystem company.

materials for industrial processes



molybdenum

