




SCI Engineered Materials

Molybdenum

Available Configurations

Planar	Rotatable
Round up to X" dia	Monolithic
Square up to X" x X"	Multi Tile Assembly
OEM Configurations	
Mu, Chi, Upsilon, Delta	

Purity

99.98% (3N8)

Applications

Alloys in Metallurgy
Low voltage X-ray sources
Electrically conducting Ceramic (MoSi ₂)
Solid Lubricant (MoS ₂)
Enamel-Metal Adhesive (MoO ₃)

Property

Measurement

Melting Point	2896 K (2623 °C, 4753 °F)
Boiling Point	4912 K (4639 °C, 8382 °F)
Density (Solid) (Liquid)	10.28 g/cm ³ 9.33 g/cm ³
Heat of Fusion	37.48 kJ/mol
Heat of Vaporization	598 kJ/mol

Vapor Pressure

P (Pa)	1	10	100	1k	10k	100k
at T (K)	2742	2994	3312	3707	4212	4879

Crystal Structure

body-centered cubic (bcc)

