

Engineered Ceramics

CUMI offers Customized ceramic products for
Wire Drawing Applications





CERAMICS FOR WIRE DRAWING APPLICATIONS



CUMI offers partially stabilized Zirconia (Magnesium oxide and Yttria Stabilized)

	Magnesia Partially Stabilized Zirconia	Yttria Partially Stabilized Zirconia
Density(gm/cc)	5.7	6
Elastic Modulus(Gpa)	200 GPa	200 GPa
Poisson's Ratio	0.3	0.23
Flexural Strength	620 MPa	900 MPa
Compressive Strength	2000 MPa	2700 MPa
Vickers Hardness	11 GPa	12 GPa
Thermal Conductivity	2.2W/m-K	2.2W/m-K
Coefficient of thermal expansion	10.1x10 ⁻⁶ /°C	10.3x10 ⁻⁶ /°C
Max Use Temp	1700°C	1600°C
Thermal Shock Resistance	350°C	350°C

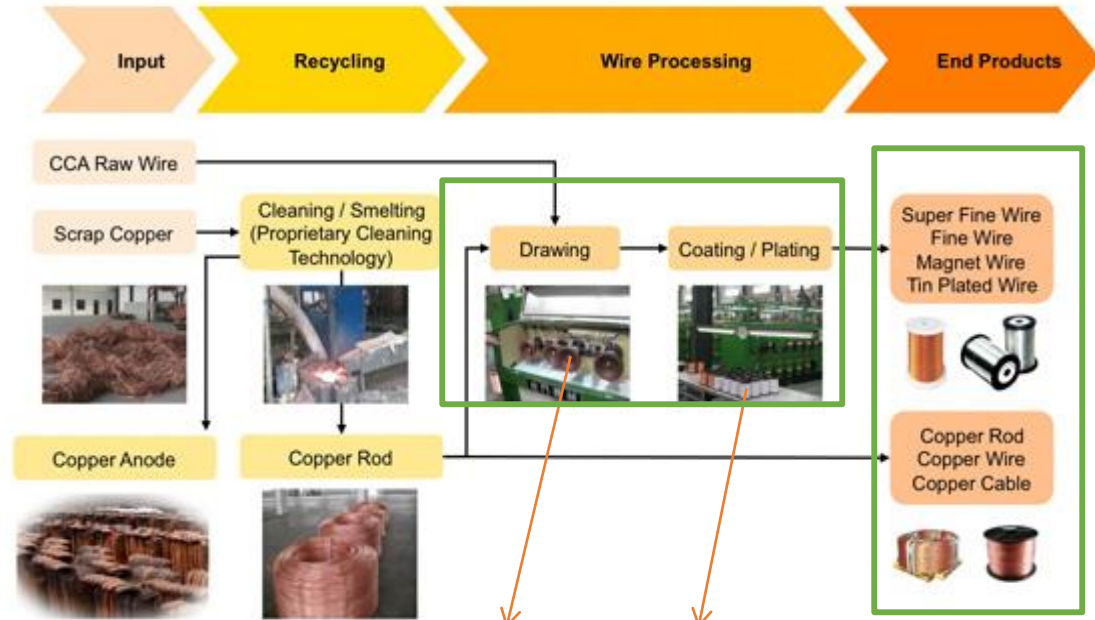
Property Table



Stepped Cone Pulley



Capstan Pulley

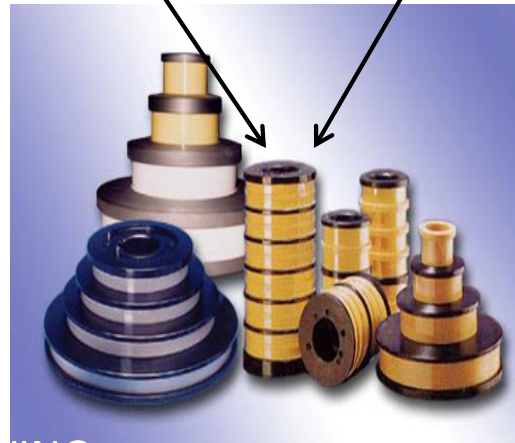


Wire Drawing Pulleys

Material: Magnesia PS Zirconia



MULTI WIRE DRAWING MACHINE



WIRE DRAWING PULLEYS AND CONES



FEATURES:-

- **High Wear Resistance, Toughness, Hardness and Mechanical Strength**
- **Can withstand high Temperature**
- **Self Lubrication Property**
- **High Corrosion and Thermal Shock resistance**

Other Customized Application Products

