



Zirconia ZrO2 Ceramic

Properties for plungers, rods, blades and structural parts

Material Properties

Material	Zirconia
Colour	White, customized
Size	Customized
Density	6.0 g/cm3
Zirconia content	94.40%
Crystal size	0.5 um
Gas permeability	0
Water absorption	0%
Minimum order quantity	Low MOQ
Shape	Custom
Flexural strength	800 MPa
Mohs hardness	8.2

Typical Applications

Pumps and valves	Plungers, dispensing valve components
Machinery	Shafts, guide rails, structural parts
Cutting	Slitting blades, clipper blades size 18th and 25th
Optical	Fibre sleeves and ferrules

Ordering

Minimum order quantity	10 pcs on blades, low MOQ on rods
Sample time	4-7 working days
Clipper blade fast delivery	3-5 days