

Technical Specifications of Machinable Ceramic (MACOR) Rods

Note:

1. Rod dimensions: Diameter 60mm x Length 300mm
2. Quantity 3 nos.
3. Standard tolerance  $\pm 0.1$  mm.
4. All sharp edges and burrs should be removed.
5. Material: Machinable Ceramic (MACOR),
  - a. Composition by wt: 55% fluorophlogopite mica and 45% borosilicate glass,
  - b. Density  $\geq 2.52$  gm/cm<sup>3</sup>,
  - c. Thermal conductivity  $\geq 1.46$  W/m-°C,
  - d. Flexural strength  $\geq 94$ MPa.
6. The bidder should be manufacturer or authorized dealer of the item as mentioned above and should provide relevant documents in support of the above.
7. The bidder should submit detailed technical comparison sheet of his product with specifications given along with his offer. Any deviation from the above specifications will lead to rejection of the offer without any further considerations.
8. Material test certificate must be submitted along with the offer, failing to which the offer will be outright rejected.