

## **Hot-pressed Boron Nitride sintered parts**

The technology involves choice of BN powder and with correct purity and oxygen content, powder processing and hot pressing with optimized process parameters.

### Salient Features

BN discs with isotropic properties.

High density >2 g/cc

Thermal conductivity >25 W/mK

Flexural strength >50 MPa

### Applications:

- High temperature furnace insulators/muffles/crucibles
- High temperature and high voltage electrical insulators
- Refractories like sintering setters
- Side dams in strip casting process
- Break rings in continuous casting
- Ceramic firing supports
- Glass forming fixtures
- Applications in metal melting, Atomizing nozzles etc.

### Technology transfer from ISRO

ISRO is willing to offer the knowhow of this technology to suitable entrepreneurs/industries in India. Capable manufacturing industries interested in acquiring this knowhow may write with details of their present activities, requirements and plans for implementation, infrastructure and technical expertise available with them, their own market assessment, if any, and plans for diversification to the address given below.

For further details, please contact:

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