



DGN FASER PRIVATE LIMITED

R.S. No. 565, Surendranagar – Lakhtar Highway, Near Dedadra Patiya, Surendranagar – 363030 (Guj.)

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Accredited with QMS 9001-2015, EMS 14001-2015 & OH & SAS 18001-2015

Technical Data Sheet

- | | | |
|--|---|---------------------------------------|
| 1. Product | : | Ceramic Fibre Board, Grade: 1425°C |
| 2. Size | : | 1000 mm. X 500 mm. X 50 mm Thickness, |
| 3. Density | : | 400 Kg/m ³ (-10%, + 30%) |
| 4. Dimensional | : | |
| Length (mtr.) | : | 1.000 (-0, excess is permitted) |
| Width (mtr.) | : | 0.500 (-2%, +10%) |
| Thick (mm) | : | 50 (-2.5mm, +2.5mm) |
| 5. Hardness (on B -Shore) | : | 40 min. |
| 6. Compressive Strength | : | 2.3 Kg/cm ² |
| (10% compression) | | |
| 7. Linear Shrinkage | : | 3.5% max |
| (at 750°C for 24 Hours) | | |
| 8. Chemical Analysis (%) | | |
| Al ₂ O ₃ | | 29 to 37 |
| SiO ₂ | | 42 to 57 |
| ZrO ₂ | | 12 to 18 |
| LOI % | | 03 to 05 |
| 9. Thermal | | |
| Linear Shrinkage at 1200°C for 24 hrs(%) | : | 4.0 max. |
| 10. Thermal conductivity (W/mk) | : | |
| (at Mean Temperature 300°C) | | 0.071 W/mk |
| (at Mean Temperature 500°C) | | 0.140 W/mk |
| (at Mean Temperature 800°C) | | 0.280 W/mk |