

BASALT FIBER SPECIFICATION SHEET

BCF

| SPECIFICATIONS | VALUES |
|------------------------------|------------------------------------|
| Tensile Strength (MPa) | 4400-4840 |
| Elastic modulus (GPa) | 90-110 |
| Density (g/cm ³) | 2,8 |
| Elongation at break (%) | 3,1 |
| Maximum service temp. (°C) | 650 |
| Sizing: | |
| Type | epoxy, polyester or phenolic resin |
| (%) | 0,4 |
| Maximum moisture content (%) | 0,3 |
| Available monthly quantity | 5+ tons |
| Production lead time | approx. 1 month |
| Bobbin size | 1, 2, and 4kg |

| TEX |
|------|
| 90 |
| 132 |
| 200 |
| 300 |
| 800 |
| 1100 |
| 2400 |
| 800 |
| 1200 |
| 2400 |
| 4800 |

KEY FEATURES:

- 1) UV stability is equal to or higher than 6.
- 2) Melting point is higher than 1250 °C.
- 3) Excellent electrical, sound, and thermal insulation.
- 4) Excellent electromagnetic wave absorption.
- 5) Excellent resistance to radiation.
- 6) High chemical resistance to acids and alkalis.
- 7) Low moisture absorption.
- 8) All fiber texes are available in Untwisted (U) or Twisted (T) versions.
- 9) All fiber texes are available in 7, 9, and 13 micron diameters.