

MINIFIBERS, INC.

Technical Data Sheet



NATURAL FIBERS

| Fiber | Fiber Diameter (um) | Tensile Strength (MPa) | Tensile Modulus (GPa) | Density (g/cm ³) | Specific Modulus (GPa/g/cm ³) | Moisture (%) | Applications | Raw Material Origin |
|--------|---------------------|------------------------|-----------------------|------------------------------|---|--------------|---|---------------------|
| Hemp | 50-125 | 310-750 | 30-60 | 1.4-1.5 | 41 | 6.2-12 | Filtration, paper, packaging, wipes, thermal/sound insulation, textiles (cottonized), concrete/shot crete | Europe |
| Banana | 130-250 | 530-750 | 7-20 | 1.35 | 14 | 10-11.5 | Tea bags, structural composites, apparel | Central America |
| Jute | 70-80 | 393-773 | 10-30 | 1.5 | 13 | 10-12% | Composites, rope, fiber sacks, rug/carpet backing, geotextiles, concrete/shot crete | Bangladesh |
| Kenaf | N/A | 283-800 | 23 | 1.2 | 19 | 9-13 | Rope, pulp and paper, textiles, concrete/shot crete | Bangladesh |

E2Eco® is a trademark of MiniFibers, Inc.

The above information is provided to describe typical values and does not constitute a product specification. It is expressly understood that any technical advice or assistance that may be provided by MiniFIBERS is rendered without compensation, and MiniFIBERS assumes no obligation or liability for such advice or assistance given, or for results obtained.