

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	Chemical Resistance
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	Good resistance to alkalis and solvents, poor resistance to strong acids
Banana	130-250	530-750	7-20	1.35	14	10-11.5	Tea bags, structural composites, apparel	
Jute	70-80	393-773	10-30	1.5	13	10-12%	Composites, rope, fiber sacks, rug/carpet backing, geotextiles, concrete/shot crete	
Kenaf	N/A	283-800	23	1.2	19	9-13	Rope, pulp and paper, textiles, concrete/shot crete	



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.