

The Infinited Fiber Company – Product Data Sheet

Property	1 Reference Viscose values (market qty)	2 Reference Viscose values (VTT)	3 Development Virgin pulp material	4 Development Recycled paper material	5 Development Textile waste material	6 Infinited (target) Virgin pulp product	7 Infinited (target) Recycled paper product	8 Infinited (target) Textile waste product
Raw material	Dissolving Pulp (wood)	Dissolving Pulp (wood)	Dissolving Pulp (wood)	Recycled paper	Textile waste (cotton)	Dissolving Pulp (wood)	Recycled paper	Textile waste (cotton)
Production scale	Industrial ⁴	Laboratory ³	Laboratory ³	Laboratory ³	Laboratory ³	Industrial ⁴	Industrial ⁴	Industrial ⁴
Fineness, dtex	1,7	2,0	2,0 ⁵	2,0 ⁵	2,0 ⁵	2,0 ⁵	2,0 ⁵	2,0 ⁵
Tenacity (cond.), cN/tex (ASTM 1446D)	26	21	22	20	17,4	26	25	22
Elongation (cond.), %	12-14	15,2	14	15,4	18	12	13	16

¹Tenacity is expressed in relative to the fineness (1 tex = 1 gram per 1000 metres). Figures for tenacity are based on both fiber fineness (tex) and cross-sectional area of the sample

²Conditioned according to technical standard ASTM 1446D (65% relative humidity and temperature of 20°C)

³Laboratory scale production does not include the finishing options as used in industrial scale production. With proper finishing treatment for example Tenacity and Elongation properties can be improved ≈15%

⁴Industrial scale production includes the proper finishing treatment as used in normal industrial operation to meet the customer requirements.

⁵VTT machinery has only this fineness option as per today. According to needs the fineness can be adjusted between 1,3-2,6