



Parameter Measured by OFDA100/OFDA2000/OFDA4000

Some parameters are not available on all versions: check with agent.

Diameter

- Mean diameter (micron)
- standard deviation of diameter (SDD)
- coefficient of variation of diameter (CVD)
- comfort factor (% of fibres \geq 30 μ m)
- diameter histogram (micron)

Curvature

- Mean curvature (degrees/mm)
- Standard deviation of curvature (degrees/mm)
- Curvature histogram (degrees/mm)

Medullation/Opacity: OFDA100 only

- Percentage of medullated (opaque) fibres
- Diameter statistics of medullated and non-medullated fibres
- Percentage of flat fibres
- Mean opacity (%)
- Standard deviation of opacity (%)
- Opacity histogram (%)

Along Snippet diameter and Blob Factor (Along 250 μ m length)

- Mean diameter (micron)
- Standard deviation of diameter (micron)
- Minimum diameter (micron)
- Area of small blobs (%)
- Area of large blobs (%)

Diameter Profile: OFDA2000 only

- Diameter profile along staple (micron)
- Mean diameter along staple (micron)
- Standard deviation of diameter along staple (micron)
- Point of minimum diameter along staple ie. point of break (mm)
- Staple length (mm)
- Ratio of greasy diameter to clean diameter (staple washed) to estimate grease thickness

Diameter Profile: OFDA4000 only

- Diameter profile along beard (micron)
- Standard deviation of diameter along beard (micron)
- Point of minimum diameter along beard (mm)
- FEFI Fibre end fineness index

Sliver (Top) Length/Hauteur/Barbe: OFDA4000 only

- Mean length, hauteur and barbe (mm)
- Standard deviation of length, hauteur and barbe (mm)
- CV of length, hauteur and barbe (%)
- Length, hauteur and barbe distribution (% of fibres at each length)