

# PRODUCT DATA SHEET

## Cotton Fibre Filler

Fibre Type	Principally Cotton
Shape in Section	Kidney shaped
Fibre Coarseness	
Narrow Side	3 - 12 $\mu\text{m}$
Broad Side	10 – 40 $\mu\text{m}$
Specific Gravity	1,54 g/ $\text{cm}^3$
Resistance to Dry Heat	
under constant effect	$\approx 120^\circ\text{C}$
Decomposition Temperature	$\approx 400^\circ\text{C}$
Moisture content on Delivery	max. 7 %
Colour	white

### Physical Characteristics

Fibre Length	in mm	$\approx 0,4$
Bulk Density	in g/ l	$\approx 135$
Packaging	in kg	
in boxes	of	30
in plastic bags	of	-
on flat pallets 120 x 80 x 190 cm	of	360
Percentage of fibre retained		
on air-jet-sieves	32 $\mu\text{m}$	< 80
(various sizes)	63 $\mu\text{m}$	< 30
DIN ISO 4610	100 $\mu\text{m}$	< 5
	250 $\mu\text{m}$	-
	710 $\mu\text{m}$	-

## General Technical Information

### Cotton Fibre Filler

Resistance to Light	Yellows
Weather Resistance	Reasonable
Resistance to Ageing	Good

Acid Resistance	Reasonable
Alkali Resistance	Good
Solvent Resistance	Good
Swelling Value in water	45 – 50 %

Diametrical Strength	25 – 50 cN/ tex
(Tensile Strength)	350 – 700 N/ mm <sup>2</sup>
Elongation at Break	6 – 10 %
Modulus	300 – 600 cN/ tex

Specific Electrical Resistance	106 - 109 Ω cm
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The values given are dependent within broad limits upon the raw materials in terms of moisture content and dyes present.

The information corresponds with our current understanding and information about the products, their nature and spheres of application. No warranty is expressed or implied regarding the characteristics of the products or their suitability for any concrete means of application. Current patents are to be observed. Consistent quality is guaranteed within our standard terms of sale.