

LENZING™ Nonwoven

LENZING™ Nonwoven are 100% cellulosic materials produced with the patented LENZING™ Nonwoven Technology*.

This unique processing spins endless cellulosic filaments, which are laid down in a wet process directly into a web formation. The combination of the natural bonding of the filaments and further hydro-entanglement allows us to produce materials without the use of any finishes or binders.

LENZING™ Nonwoven materials are characterized by their homogeneous filament distribution, and high dimensional stability.

Certificates and Tests of LENZING™ Nonwoven*:



STANDARD 100 by OEKO-TEX® (Certificate VN015 207300 OETI)



Medically tested, Tested for toxins (fktev, Certificate E-063-PB-21)



Tested / certified for food contact (tested at ISEGA, Certificate Nm. 56233 U 22)



**Certified as biodegradable in soil, fresh water and marine conditions, and compostable under industrial and home conditions

*LENZING™ Nonwoven Technology is formerly known as LENZING™ Web Technology



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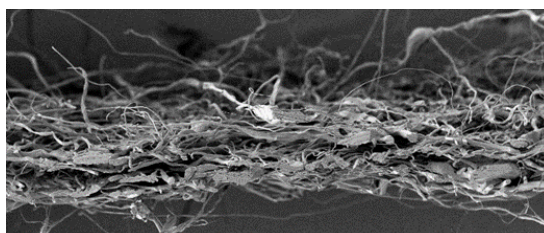
Lenzing
Innovative by nature

typical values

	type 1	type 2	type 3	unit
Basis Weight	25	55	70	gsm
Thickness	0.25	0.35	0.45	mm
Break. Force Strip MD dry	20	40	75	N/50mm
Break. Force Strip CD dry	8	18	31	N/50mm
Break. Elong. Strip MD dry	2	2.2	2	%
Break. Elong. Strip CD dry	5	4.5	4	%
Break. Force Strip MD wet	8	16.5	27	N/50mm
Break. Force Strip CD wet	4.5	10	15	N/50mm
Break. Elong. Strip MD wet	13	15.5	14	%
Break. Elong. Strip CD wet	21	23	22	%
Liquid Absorptive Capacity	600	600	550	%

all analysis according EDANA methods

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Fabric cross section: electron microscope picture - x100



benefits for applications

LENZING™ Nonwoven materials are unique in its design, material haptics and liquid management properties. Its patented manufacturing process allows for adjusting the abrasiveness of the material in dry and wet state according to the required cleaning tasks.

The materials have a low MD-CD wet tensile ratio, as well as an initial wet stability. This enables the LENZING™ Nonwoven to maintain its shape during dispensing and wiping.

The inherent properties of cellulosic filaments naturally regulate liquid absorption and release. This leads to a fast uniform distribution of the liquid within the material, whether during converting or in use as a wipe.

LENZING™ Nonwoven materials are binder and finish free, making them an ideal choice for personal care cleaning products.

Wood-based --- biodegradable** --- binder & finish free

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