

SUPPLY RANGE

	Standard 307.	„soft“ higher strength very soft feel 490.	„FR“ flame retardant B1, M1 310.
34 g/m ²	x		
46 g/m ²	x		
115 g/m ²		x	
130 g/m ²			x

cuturon[®] is available in reels or sheets.
cuturon[®] 307 is also available with a single-side PE coating.

Standard Sizes

Maximum reel width:

cuturon[®] 307: 252 cm

cuturon[®] „soft“: 210 cm

cuturon[®] „FR“: 210 cm

Sheets on request.

Colour Selection

white

Different basis weights or colours on request.

Printed on **pretex**[®] 50.120, 28/500/04/09/LVK



NEENAH LAHNSTEIN

cuturon[®]

product and
processing information



NEENAH LAHNSTEIN

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The information contained in this brochure is based on our knowledge and practical experience. Due to the variety of possible influences during processing and use we recommend that the customers carry out own trials to test our products. Changes due to technical progress or internal development are reserved. A legally binding guarantee of certain properties cannot be derived from the statements in this brochure.

cuturon® – High quality, versatile nonwovens are the practical alternative for textiles and other materials when applications are demanding.

cuturon® nonwovens are manufactured and impregnated in the wetlaid process, using pulp and synthetic fibres.

cuturon® 307 is also available with a single-side PE coating.

PROPERTIES

- textile feel
- good printability
- high strengths
- good wet strengths
- abrasion and tear resistant
- permeable to air and moisture
- water resistant
- approved for direct food contact (**cuturon®** 307.030, **cuturon®** 307.041)
- washing and dry cleaning resistant (**cuturon®** „soft“)
- flame retardant (**cuturon®** „FR“)

Safety

During production, no environmentally hazardous substances like organic solvents, PVC, formaldehyde or ODC-compounds are used. No environmentally harmful breakdown products occur at waste disposal sites or during incineration.

All **cuturon®** grades are physiologically safe and free from substances which could cause harm to the environment or health.

cuturon® 307.030 and **cuturon®** 307.041 are approved for direct food contact. We are happy to send you the corresponding certificates on request.

Flame Resistance

cuturon® „FR“ 310.130 meets the requirements of flame resistant building materials in the category **B2** and **B1** according to DIN 4102-01 (certificate No. 230005275, MPA NRW, 01/2006) as well as the French **M1** (certificate No. 12931-06, SNPE, 09/2006).

Temperature Resistance

cuturon® „soft“ and **cuturon®** 307 have a high level of temperature resistance. A brief increase in the temperature strain of up to 180° C does not impair the material properties. Temperature strains from 180° C can lead to a discolouration of the surface.

cuturon® „FR“ has a high level of temperature resistance as well. A brief increase in the temperature strain of up to 160° C does not impair the material properties. Temperature strains from 160° C can lead to a discolouration of the surface.

Resistance to Solvents

cuturon® is resistant to most organic solvents. In direct contact with acids or tabloid caustic solutions, losses of strength or discolourations are possible. We recommend to carry out individual tests.

PROCESSING

- sewing
- punching
- glueing
- perforating
- eye-letting (**cuturon®** „soft“)

APPLICATIONS

- labels (for home textiles, mattresses, carpets, plants)
- flags and pennants
- racing numbers
- posters
- banners / POS
- place mats
- carrier bags
- gift wrappings
- decorative packaging

PRINTING

cuturon® nonwovens can be printed easily using offset, flexographic or screen printing. We recommend using an interleaving paper for sheetfed offset printing.

cuturon® „soft“ sheets up to 50 x 70 cm can be offset printed without using interleaving paper. Sheets > 50 x 70 cm require an interleaving sheet.

Printing Shop Climate

Just like with paper, you have to make sure there is the right climate in the printing shop for **cuturon®** as well.

The optimum is approx. 20° C at approx. 50 – 60 % relative humidity. We recommend storing the packed reams and reels for at least 24 hours in the printing shop so they can adjust to the temperature. Please only open the vapour-proof packaging just before starting to print.

Printing Inks

cuturon® nonwovens can be printed well using normal offset colours or fast-drying alkali-proof textile colours.

Continuous Form Printing

cuturon® „soft“ can be very successfully printed by continuous form printing.

Digital Printing

cuturon® „soft“ and **cuturon®** „FR“ can be successfully printed by XEIKON machines.

Copy Machines and Laser Printers

cuturon® „soft“ can be easily processed in single-sheet feed on many machines.

A list of experiences with different types of machines is available at www.neenah-lahnstein.de.