TRADITIONAL QUALITY NONWOVENS

SINCE 1950

NONWEX AG50 K

Nonwoven thermaly bonded textile

Characteristic:	Nonwoven needle punched and thermally bonded textile with antibacterial effect
Material content:	50 % polypropylen staple fibres 50 % polypropylen staple fibers containing silver
Colour:	White
Weight:	115 g/m^2
Standard width:	2 m
Standard lenght:	200 m
Certification:	ISO 9001, ISO 14001, ISO 45001 and ISO 50001
Regular use:	For general use with antibacterial effect
Properties:	ANTIBACTERIAL CONTAINS SILVER MADE IN CZECH REPUBLIC
Textile maintanance:	60

Material specification sheet

Date: 31.07.2020

No: T-019-1

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Nonwoven thermaly bonded textile

NONWEX AG50 K			115	
PHYSICAL PROPERTIES				
Weight [±10 %] / EN 29073-1		g/m^2	115	
Thickness 2 kPa [±15 %] / DIN 53855-3		mm	0,8	
MECHANICAL PROPERTIES				
Tensile strenght [min] / EN 29073-3	MD CMD	N/5cm	100 100	
Elongation [±20 %] / EN 29073-3	MD CMD	%	40 60	
Tear strength [min] / NES M 0076/13	MD CMD	N	60 50	
ANTIBACTERIAL EFFICACY*				
Antimicrobial Activity / ASTM E 2149-13a Bacteria: escherichia coli CCM 3954	Sample		NONWEX AG50 K	Inoculum
	1h [CFU/ml]		$9,85 \times 10^3$	$2,29 \times 10^5$
	Reduction [%]		95,70**	-
Antimicrobial Activity / AATCC TM 100 - 2012 Bacteria: staphylococcus aureus CCM 4516	Sample		NONWEX AG50 K	UNTEX HQ PP K 130 (Without Ag)
	0h [CFU/ml]		$8,55 \times 10^4$	$7,75 \times 10^4$
	24h [CFU/ml]		$2,10 \times 10^3$	$7,4 \times 10^4$
	Reduction [%]		97,54	4,52
INSTRUCTION FOR USE				
Washing temperature [max]		°C	60	
Washing cycles [max]		No	5	
Ironing			No	
Warnig			DO NOT USE THE MATERIAL IN CASE OF DAMAGE	
DIMENSION, PACKAGING AND STORAGE				
Packaging			Rolls are packed in PE foil, and wind up on paper tubes	
Storage			In covered, clean and dry spaces	

The above technical parameters are average values and serve for general information. The manufacturer reserves the right to change it.

* The following parameters were tested at VÚTCH-CHEMITEX, Žilina in accredited testing laboratory of antimicrobial activity.

**The reduction calculation is based on the values from the inoculum control sample. Quantity of sample: 1 g ± 0,1 g.