

# STRETCHBOND



Air permeable protective gloves

Made in Germany

STRETCHBOND gloves protect the work environment from skin abrasion and fingerprints. They are also specifically designed for use as under gloves for users with a latex allergy. STRETCHBOND gloves are recommended for applications, where protective gloves must be worn throughout the workday and where wearer comfort is an important issue. STRETCHBOND gloves are made of air permeable, elastic polyurethane nonwoven fabric. Skin moisture is transported to the outside and hand perspiration is greatly reduced. The glove is available in two designs. Variant 1 is made of PU nonwoven on the glove top and palm. It provides extraordinary comfort and is ideal as under glove. Variant 2 is made of PU-nonwoven material on the glove top and PU foil on the palm. We recommend it for critical tasks in the clean-room environment and for direct handling of products. STRETCHBOND is a good standard glove for many tasks in the high-tech and food processing industry. Due to its permeability, the glove should not be worn when working with liquids, but it is advantageous in a dry environment, because hand perspiration can partially evaporate through the porous material of the glove. The wide range of STRETCHBOND designs enables the customer to select the glove best suited to the application.

The image on the right taken with our scanning electron microscope shows the embossed structure of the high-quality polyurethane nonwoven material. Between the continuously spun fibrils a porous structure is formed, that allows the moisture of the hand to evaporate to the outside. Polyurethane fibrils are elastic, enabling the glove to adapt to the form of the human hand. The spun nonwoven structure ensures that no fibre ends protrude from the glove surface. This contributes quite considerably to the purity of the environment during clean work procedures. Naturally, the use-induced particle release is higher for this glove than for clean room gloves made of nitrile. However, particle dispensing can be significantly reduced by rubbing the hands with liquid skin protection.

## Characteristics

PU-nonwoven gloves

## Features

permeable and elastic, non allergic

## Application

assembly and adhesive technology, optics industry, glass industry, fine handling of works of art

## General technical specification

Textile construction	nonwoven	
Mesh / cm <sup>2</sup>	--	
Cutting	thermically	
Treatment	none	
Decontaminated	no	
Washable	possible	
Sterilisable	possible	
Stat. Quality control	yes	



SEM photo Yuko Labuda, image height 3 mm

<b>General technical data</b>		nowoven / foil	
<b>Mechanical parameters</b>	<b>Value</b>	<b>Unit</b>	<b>After method</b>
Thickness	0.32 / 0.025	mm	ISO 9073-2
Surface weight	87 / 29	g/m <sup>2</sup>	ISO 9073-1
Break load dry, longitudinal direction	49 / 45	N	ISO 9073-3
Break load dry, lateral direction	35 / 45	N	ISO 9073-3
Elongation at break, longitudinal direction	317 / 345	mm	ISO 9073-3
Elongation at break, lateral direction	326 / 345	mm	ISO 9073-3

<b>Particle release data</b>	<b>Value</b>	<b>Unit</b>	<b>After method</b>
Glove CC 332, nonwoven / nonwoven Size 'medium' (length: long)	385	Particle/cm <sup>2</sup>	C & C Standard W-PF-F
Glove CC 3172, nonwoven / foil Size 'medium' (length: long)	155	Particle/cm <sup>2</sup>	C & C Standard W-PF-F
Air particle release (at 40% relH) by Labuda Fulling Simulator Mk1	92	Part 0.5 µm/ min	

<b>Anion and cation inventory in ppm measurement with capillary electrophoresis</b>							
Chloride	Fluoride	Nitrate	Nitrite	Phosphate	Sulphate		
0.089	0.052	-	-	-	-		
Ammonium	Barium	Calcium	Potassium	Lithium	Magnesium	Sodium	Strontium
-	-	0.38	-	-	-	0.055	-

All data in this sheet are based on measurements taken at the time of their issuance. The publication of this document does not constitute a guarantee for the continued compliance with these data. On request, you will receive current data and tolerance limits from our laboratory. Subject to change without prior notice. Errors and omissions excepted. Clear & Clean is a company certified according to the EN ISO 9001 : 2015 standard. The quality assurance measures are described in our quality manual. When the data contained in this data sheet are changed, no automatic alteration is made. Clean room consumable products cannot be classified according to a clean room class for air purity according to ISO-14644-1.

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**Order and packing information / palm and glove top made of PU nonwoven fabric (80g / m<sup>2</sup>)**


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Type	Construction	Size	Dimensions L x W in mm	Length of sleeve in mm	Content pcs/ pack	Packs per carton
CC331	V / V	S	270 x 178	60	100	10
CC332	V / V	M	270 x 182	60	100	10
CC333	V / V	L	270 x 194	60	100	10
CC334	V / V	XL	270 x 230	60	100	10
CC336	V / V	XS	240 x 167	30	100	10
CC337	V / V	S	240 x 178	30	100	10
CC338	V / V	M	240 x 182	30	100	10
CC339	V / V	L	240 x 194	30	100	10

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**Order and packing information / palm made of PU foil & glove top of PU nonwoven fabric (80g / m<sup>2</sup>)**


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Type	Construction	Size	Dimensions L x W in mm	Length of sleeve in mm	Content pcs/ pack	Packs per carton
CC3171	V / F	S	270 x 178	60	100	10
CC3172	V / F	M	270 x 182	60	100	10
CC3173	V / F	L	270 x 194	60	100	10
CC3174	V / F	XL	270 x 230	60	100	10