

Doc nummer: 202301822  
 Fabric reference: Lexicon 810071  
 Customer: BM Fabrics  
 Hoogstraat 177 B  
 9550 Herzele

Report date: 21/06/2023  
 Date analyses: 26/05/2023 - 21/06/2023  
 Place analyses: Labotex  
 Date of request: 26/05/2023  
 Samples received: 5/06/2023

Fabric composition:  
 Weight (g/m<sup>2</sup>):  
 Thickness (mm):

Specification	Results	Remarks	!
<b>NF P92-507: 2004</b>			<input type="checkbox"/>
NF P92-503: 1995	M1 ----- M1		
NF P92-504: 1995	M2 -----		
NF P92-505: 1995	M3 ----- M4 ----- not classified -----		

*(more details: see annex and classification scheme)*



the concerned standards, unless noted differently.  
 Labotex certifies that the results mentioned in this report are obtained after testing in accordance with the procedure and equipment specified by



Annick Gijsemans - Laboratory Manager

Labotex has the competence to perform tests in accordance with the requirements of standard NBN EN ISO/IEC 17025. The scope of this accreditation can be consulted on the BELAC website [https://ng3.economie.fgov.be/Nl/belac/labotesting/applic/accruitedc\\_nl.asp?certificatienummer=364-TEST](https://ng3.economie.fgov.be/Nl/belac/labotesting/applic/accruitedc_nl.asp?certificatienummer=364-TEST)  
 Sampling is performed by the customer. Fabric analysed as received. The results in this report only relate to the tested items.  
 Samples will be returned to the customer together with the certificate, if possible. Samples will not be retained, unless specified by the customer. Retained samples will be kept for maximum one year unless a specific retention period is necessary.  
 This report cannot be copied unless in its complete form and with written approval of Labotex (Kontich).  
 Uncertainty of measurement on the test result is not taken into account when assessing compliance with the specifications. When results are compliant to the specification, the square next to the result is empty. When the result is not compliant to the specification, the square is filled with a flag "v".  
 The uncertainty and the description of the methods are available at the lab on request.

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## Results of NF P92-503 to 505

	sample 1	sample 2	sample 3	sample 4
<i>side</i>	<i>face</i>	<i>reverse</i>	<i>face</i>	<i>reverse</i>
<i>direction</i>	<i>warp</i>	<i>warp</i>	<i>weft</i>	<i>weft</i>

Condition of the samples in the climate chamber T (23±2)°C and RH (50±5%) for 9 days

Condition of the samples at T (21±2)°C and RH (65±4%) for -

NF P92-503	handling period (min)	5	5	5	5
	hole formation	yes	yes	yes	yes
	afterflame / afterglow time (s)				
	cycle 1	0.0	0.0	0.0	0.0
	cycle 2	0.0	0.0	0.0	0.0
	cycle 3	0.0	0.0	0.0	0.0
	cycle 4	0.0	0.0	0.0	0.0
	cycle 5	0.0	0.0	0.0	0.0
	cycle 6	0.0	0.0	0.0	0.0
	cycle 7	0.0	0.0	0.0	0.0
	cycle 8	0.0	0.0	0.0	0.0
	cycle 9	0.0	0.0	0.0	0.0
	cycle 10	0.0	0.0	0.0	0.0
	damaged length (mm)	151	137	155	159
	damaged width (mm)	52	44	89	64
	burning molten droplets	no	no	no	no
	not burning molten droplets	yes	yes	yes	yes
	burning debris	no	no	no	no
	not burning debris	yes	yes	yes	yes

Condition of the samples in the climate chamber T (23±2)°C and RH (50±5%) for 14 days

Condition of the samples at T (21±2)°C and RH (65±4%) for -

NF P92-505	weight of 1 piece	1.7300			
	Number of pieces per sample tested	2			
	ignition of the cellulose	no	no	no	no
	ignition of the sample after	0	0	0	0
	flaming time of the sample	0	0	0	0
	burning droplets	no	no	no	no

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	sample 1	sample 2	sample 3	sample 4
<i>side</i>	<i>face</i>	<i>reverse</i>	<i>face</i>	<i>reverse</i>
<i>direction</i>	<i>warp</i>	<i>warp</i>	<i>weft</i>	<i>weft</i>

Condition of the samples in the climate chamber T (23±2)°C and RH (50±5%) for 6 days

Condition of the samples at T (21±2)°C and RH (65±4%) for -

NF P92-504	droplets	no	no	no	no
afterflame time (s)		0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0
		0.0	0.0	0.0	0.0

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## Classification scheme

### Criteria for M1 classification

#### NF P92-503

- \* afterflame time  $\leq 5s$
- \* damaged length  $\leq 250mm$
- \* no burning droplets

#### NF P92-504

- \* afterflame time  $\leq 2s$
- \* no burning droplets

#### NF P92-505

- \* no ignition of the cellulose
- \* no burning droplets

### Criteria for M2 classification

#### NF P92-503

- \* afterflame time  $> 5s$
- \* damaged length  $\leq 350mm$
- \* no burning droplets

#### NF P92-504

- \* afterflame time  $\leq 5s$
- \* no burning droplets

#### NF P92-505

- \* no ignition of the cellulose
- \* no burning droplets

### Criteria for M3 classification

#### NF P92-503

- \* afterflame time  $> 5s$
- \* damaged length  $\geq 350mm$  and  $< 600mm$
- \* damaged width  $\leq 90mm$  at the length between 450 mm and 600mm
- \* no burning droplets

#### NF P92-504

- \* afterflame time  $> 5s$
- \* no burning droplets

#### NF P92-505

- \* no ignition of the cellulose
- \* no burning droplets

### Criteria for M4 classification

If the fabric doesn't meet with the criteria for a M1, M2 or M3 classification, it is classified M4.