

TEST REPORT

Nº **2018EP1462**

DATE OF RECEPTION

DATE TEST

APPLICANT
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KETTERING

Att. Debbie Reed

DESCRIPTION AND IDENTIFICATION OF SAMPLES

SAMPLES REFERENCED:
- "GLOVES PD/KD-ST4001-N7KT-INS-N100".

TESTS CARRIED OUT

- DETERMINATION OF FLEX CRACKING AND CRACK GROWTH
- THICKNESS OF COATED FABRICS OF PLASTICS OR OF RUBBERS*
- FLEXIBILITY TEST AT EXTREME COLD OF RUBBER COATED FABRIC OR PLASTIC

ENAC is a signatory to the Multilateral Agreement (MLA), (MRA Mutual Recognition Agreement) of the European Cooperation for Accreditation (EA) and the International Laboratory Accreditation Cooperation (ILAC), in testing.

ATTACHED

SAMPLE(S) SEALED

PAGE

OF



RESULTS

DETERMINATION OF FLEX CRACKING AND CRACK GROWTH

Standard

EN ISO 7854:1997 Method A

Used apparatus

De Mattia flexing tester

Number of tested specimens

4

Test temperature

(-20±2) °C

Reference	GLOVES PD/KD-ST4001-N7KT-INS-N100	
Specimen	Direction	Flex cycles
Specimen 1	Crosswise	10000
Specimen 2	Crosswise	10000
Specimen 3	Lengthwise	10000
Specimen 4	Lengthwise	10000

Visual inspection after flex cycles

- | | |
|---|-------------------------|
| 1. Assessment of flex crack resistance | "0" |
| 2. Description of damage | --- |
| 3. Cracking: | |
| a. Depth of cracking | Nil |
| b. Number of cracks | --- |
| c. Length of cracks | --- |
| 4. Delaminated | No delamination appears |

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RESULTS

Assessment of flex crack resistance

- 0 - None
- 1 - Slight
- 2 - Moderate
- 3 - Severe

Depth of cracking

"Nil": No cracking

"A": Surface or finish crack, not exposing the cellular or middle layer

"B": Cracking into but not right through the middle layer

"C": Cracking through to the base fabric

"D": Cracking right through all the material

Requisites according to Standard EN 511:2006

It must not appear fissures in the fold.

PASS



RESULTS

THICKNESS OF COATED FABRICS OF PLASTICS OR OF RUBBERS*

Standard

EN ISO 2286-3:1998

Apparatus

Thickness meter SODEMAT

Test pressure2 kpa \pm 0.2 KPa**Pressure foot diameter**

50.5 mm.

Atmosphere for conditioning and testingTemperature (20 \pm 2) °C Relative humidity (H.R.) (65 \pm 4) %

Reference	Minimum thickness (mm)	Average thickness (mm)	Maximum thickness (mm)
GLOVES PD/KD-ST4001-N7KT-INS-N100	4.38	4.56	4.78

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RESULTS

FLEXIBILITY TEST AT EXTREME COLD OF RUBBER COATED FABRIC OR PLASTIC

Standard

ISO 4675:2017

Used apparatus

Gloves flexion at low temperature

Laboratory conditions

$(-50 \pm 2)^\circ\text{C}$

Number of specimens

4

Thickness of the specimens

4,56 mm

Standard deviation

Test performance

Reference	GLOVES PD/KD-ST4001-N7KT-INS-N100		
Specimen	Cracking grade	Cracks number	Length of the largest crack
1	O	0	0,0
2	O	0	0,0
3	O	0	0,0
4	O	0	0,0
Average	O	0	0,0

Depth of cracking:

- A** - Surface or finish crack not exposing the cellular layer, middle layer or substrate
- B** - Cracking into but not through the middle layer
- C** - Cracking through to the substrate or base fabric
- D** - Cracking completely through the material
- O** - No cracking

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RESULTS

ACCORDING TO STANDARD EN 511:2006

PASS

REQUISITES ACCORDING TO STANDARD EN 511:2006

According to EN 511:2006 point 4.2, any fissure must be in after the test

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Lucia Martinez
Head of PPE and Ballistics department

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