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Your notice of
2017-03-01

Your reference
email

our reference
CR/658_2017

date
2017-04-11

Certification report

1. Description of the tested article as indicated by the client:

quality name: ArWoWear Chem Pro
mass: 360 g/m² ± 5%
weave: twill
composition: 100% Co

2. Executed tests:

tests according to EN 13034+A1:2009	requirements	test result
Pre-treatment: 5x (6N-+) ISO 6330 Water repellent finish after each washing cycle and 3 min in the oven at 135°C for the reactivation		
Abrasion after pre-treatment	class 1: >10 cycles class 2: >100 cycles class 3: >500 cycles class 4: >1 000 cycles class 5: >1 500 cycles class 6: >2 000 cycles	>1500 cycles Class 5

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tests according to EN 13034+A1:2009	requirements	test result
tearing resistance after pre-treatment	class 1: > 10 N class 2: > 20 N class 3: > 40 N class 4: > 60 N class 5: > 100 N class 6: > 150 N	Wa: 84.1 N We: 44.6 N Class 3
tensile strength after pre-treatment	class 1: > 30 N class 2: > 60 N class 3: > 100 N class 4: > 250 N class 5: > 500 N class 6: > 1 000 N	Wa: 1400 N We: 690 N Class 5
Puncture after pre-treatment	class 1: > 5 N class 2: > 10 N class 3: > 50 N class 4: > 100 N class 5: > 150 N class 6: > 250 N	67 N Class 3
repulsion H ₂ SO ₄ 30 % NaOH 10 % o-xylene butan-1-ol after pre-treatment	class 1: R> 80% class 2: R> 90% class 3: R> 95%	H ₂ SO ₄ 30%: 98.6% NaOH 10%: 98.2% butan-1-ol: 95.8% Class 3 o-xylene: 87.5% Class 1
penetration H ₂ SO ₄ 30 % NaOH 10 % o-xylene butan-1-ol after pre-treatment	class 1: P< 10% class 2: P< 5% class 3: P< 1%	H ₂ SO ₄ 30%: 0.0% NaOH 10%: 0.0% Class 3 butan-1-ol: 1.2% Class 2 o-xylene: 5.5% Class 1
seam strength	class 1: > 30 N class 2: > 50 N class 3: > 75 N class 4: > 125 N class 5: > 300 N class 6: > 500 N	Only applicable on a whole garment
spray test after pre-treatment	no penetration	Only applicable on a whole garment



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Detailed results can be found in:

Analysis report Centexbel 17.01278.01 of 2017-04-06

3. Conclusion:

The tested material **ArWoWear Chem Pro** fulfils the requirements for the performed tests of

EN 13034:2005 + A1:2009

class 5 for abrasion resistance

class 3 for tearing resistance

class 5 for tensile strength

class 3 for puncture resistance

class 3 for repulsion of H₂SO₄ 30%, NaOH 10%, butan-1-ol

class 1 for repulsion of o-xylene

class 3 for penetration of H₂SO₄ 30%, NaOH 10%

class 2 for penetration of butan-1-ol

class 1 for penetration of o-xylene

The personal protective equipment itself still has to be type tested by a notified body.

Hilde Rubben
By order of Inge De Witte
Certification Manager