GHENT UNIVERSITY

CENTRE FOR TEXTILE SCIENCE AND ENGINEERING

DEPARTMENT OF MATERIALS, TEXTILES AND CHEMICAL ENGINEERING

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TEST REPORT 17-0363-01

Samples received :

Name	***Date of receipt***
T1706242	21/03/2017

Your purchase order n° 26457

Aim of the test :

Determination of the water vapour permeability

Test conditions :

Water vapour permeability

Standard:	ASTM E96
Method:	A cup is filled with Calciumchloride (=moisture absorbant). The pot is covered with the material to test. This material is sealed onto the cup by means of bee wax. The pot is put in a climate chamber at 38°C and 90% R.H. The increase in weight after several time intervals is a measure for the water vapour permeability. The surface of the tested material is approx.. 45 cm².
Number of tests:	3
Test conditions:	38 ± 1 °C and 90 ± 2 % R.V.

The tests were finished in week 16/2017

OBTAINED RESULTS

T1706242

Water vapour permeability

Parameter	Unit	Water vapour permeability
test 1	g/day.m²	726.21
test 2	g/day.m²	726.94
test 3	g/day.m²	771.39
Average	g/day.m²	**741.52**
Coefficient of variation	*%*	*3.49*

Johanna Louwagie
Head of Physical Tests

Prof. Dr. Paul KIEKENS, dr. h. c.
Director