

Analytical Services

Test report

Test Laboratory Number: 16A12J6294

Prepared for: Precision Cut Textiles Ltd.

**Address: Unit 60A
Atcham Business Park
Shrewsbury
SY4 4UG**

Client name: Nigel Law

**Issued: 1 June 2016
Private and confidential**

Smithers Pira
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Registered number: 5761324 England (Limited Liability)



Test material: 1 sample identified as:
PE Cloth, Product code: PCT32/2.0

Sampled and supplied by: Precision Cut Textiles Ltd.

Samples received: 28 April 2016

Date(s) of testing: 28 April to 31 May 2016

Test(s) required: Overall migration by total immersion into simulants B, D1 and D2; exposure conditions 10 days at 40°C.

Overall migration simulants and conditions as detailed in EU Regulation No 10/2011 (The PIM).

Simulant B - 3% w/v acetic acid

Simulant D1 - 50% v/v ethanol

Simulant D2 - rectified olive oil

The Simulants specified for overall migration tests in EU Regulation 10/2011 differ from those in EN1186:2002 (which were written for the simulants previously specified in EC Directive 97/48/EC). Smithers Pira generally carry out migration tests using the Simulants specified in EU Regulation 10/2011 unless agreed otherwise with the client.

Method(s):

Overall migration into aqueous simulants (B and D1)
 After exposure to the simulant under conditions specified, test specimens were removed from contact; the aqueous extract was transferred to a weighed container and evaporated to dryness and constant weight.

EN 1186 - 3 - total immersion

Overall migration into olive oil (simulant D2)

After exposure to the simulant under conditions specified, test specimens were removed from contact; excess oil blotted off, and re-weighed. Absorbed oil was determined by extraction and GC quantification.

EN 1186-2 - total immersion

Test results:

The overall migration is expressed as the amount in milligrams of material lost from one decimetre square surface (mg/dm²). As the total immersion method was used, results were calculated taking into account the area of only one surface of the test specimen, i.e. for a 1 dm² test specimen the surface area used for the calculation was 1 dm².

Sample: *PE Cloth, Product code: PCT32/2.0*
 Test conditions: 10 days at 40°C

Method	EN 1186-3 Migration into 3% w/v acetic acid (Simulant B) mg/dm ²	EN 1186-3 Migration into 50% v/v ethanol (Simulant D1) mg/dm ²	EN 1186-2 Migration into olive oil (Simulant D2) mg/dm ²
Replicates			
1	0.2	0.2	1.8
2	0.0	0.4	2.6
3	0.7	0.3	1.3
4	-	-	0.9
Mean result	0.3	0.3	1.6
Limit	10.0	10.0	10.0



Smithers Pira's analytical group is accredited by UKAS against ISO 17025. Unless otherwise indicated, all results in this report are covered by our scope of accreditation. All comments and opinions expressed are those of Smithers Pira and as such do not fall under our scope of UKAS accreditation.

Samples will be retained for 3 months after the completion of testing and will then be disposed of, unless the client requests otherwise.

Tested by:

Checked by:

Emilia Hevelke
Analytical Chemist
Analytical Services

Allison Chambers
Senior Analytical Chemist
Analytical Services

Nigel Law
Precision Cut Textiles Ltd.
Unit 60A Atcham Business Park
Shrewsbury
SY4 4UG

01 June 2016

Ref: 16A12J6294

Dear Nigel

Please find enclosed our test report relating to the analytical work recently completed on your samples.

We hope this meets your requirements. If you have any queries please do not hesitate to contact me.

Yours sincerely

Allison Chambers
Senior Analytical Chemist, Analytical Services

As part of our continuing quality improvements we would appreciate your time to complete our online customer service feedback form using the following link:

<http://questionpro.com/t/ACG7vZPt8o>

The work described in this report was carried out under Smithers Pira's standard Terms and Conditions, which can be viewed via the following link

<http://www.smitherspira.com/SmithersPira/media/T-Cs/Smithers-Pira-Terms-and-Conditions.pdf>