



Parc de la Porte Nord-Rue Christophe Colomb
62700 Bruay la Buisnière
contact@crepim.fr http:// www.crepim.fr
Tél: 03-21-61-64-00 Fax : 03 21 61 64 01



ACCREDITATION N°1-0989
Scope on request @ www.cofrac.fr

Classification Certificate

Certificate n° CCE F 779/02/167 A

Date 22/07/09

Manager Franck POUTCH

Order number Ulrika Gustafsson

Date of order 23/06/09

Validity 5 years

To

Company ELMO LEATHER AB

Name Ulrika GUSTAFSSON

Address /

Postcode SE-512 81

Town Svenljunga

Country SWEDEN

Phone (+)46 325 66 14 49

Fax (+)46 325 61 10 04

Tested product

Name : ELMOTRANSPORT

Description : Leather for upholstery

Color : Vinrod

Remarks : /

Manufacturer : Elmo Leather Sweden AB

Results

Test standard	Concern	Results
NF X 70-100-1/2	Smoke toxicity	ITC : 77.16
NF X 10- 702	Smoke opacity	Dm 288
		VOF4 581

Classification standard	Name
NF F 16-101	Rolling stock - Fire behaviour - Materials choosing
STM S-001 indice C	Device technical specification
IF = 61	

According to these results the tested product get the classification

F3

L.PANKEWITCH Test Officer	
F. POUTCH Technical Manager	 SPOBSEL, RT applicant

CREPIM
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Test Report

Test report n° REE 1F 779/02/167 A

Date August 3rd 2009

Manager Franck POUTCH

Order number Ulrika Gustafsson
Date of order 23/06/09

Number of pages 1

Company ELMO LEATHER AB

Name Ulrika GUSTAFSSON

Address /

Postcode SE-512 81 **Town** Svenljunga
Country SWEDEN

Phone (+)46 325 66 14 49 **Fax** (+)46 325 61 10 04

Test standard : NF X 70-100-1 : Analysis of gaseous effluents : Methods for analysing gases stemming from thermal degradation
NF X 70-100-2 : Analysis of gaseous effluents : Tubular furnace thermal degradation method

Accredited COFRAC test : COFRAC accreditation attests competence of the laboratories for the only tests covered by the accreditation

Tested product

Name : ELMOTRANSPORT

Description : Leather for upholstery

Color : Vinrod

Remarks : /

Conditionning : 23 ± 2 °C, 50 ± 5 % HR

The results are valid only for the fire-test-exposure conditions described in this procedure and for the specimens assessed.

Delivery date : 16/06/09 **Results**

Furnace temperature : 600°C **Air circulation method :** Pumping

Amount	Test 1	Test 2	Test 3	Average	Test's date
CO (mg/g)	194.30	304.78	199.91	233.00	08/07/09
CO2 (mg/g)	1679.68	1263.95	1672.04	1538.56	08/07/09
HCl (mg/g)	0.80	0.85	0.86	0.84	07/07/09
HBr (mg/g)	19.78	20.36	20.59	20.24	07/07/09
HCN (mg/g)	12.62	16.30	16.55	15.16	07/07/09
HF (mg/g)	nd	nd	nd	0.00	07/07/09
SO2 (mg/g)	56.90	57.08	58.47	57.48	07/07/09

Remarks : nd : Not detected

L. PANKEWITCH
Test Officer

F. POUTCH
Technical Manager

S. DIESEL, RT supplément

Signature: Franck Poutch

Stamp: G. J. H. P. Crepim, Parc de la Porte Nord, Rue Christophe Colomb, 62700 BRUAY-LA-BUISNIÈRE, Tél. 03 21 61 64 00 - Fax 03 21 61 64 01

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Test Report

Test report n° REE 2F 779/02/167 A

Date August 3rd 2009

Manager Franck POUTCH

Your order Ulrika Gustafsson

Date of order 23/06/09

Number of pages 2

Company ELMO LEATHER AB

Name Ulrika GUSTAFSSON

Address /

Postcode SE-512 81 **Town** Svenljunga

Country SWEDEN

Phone (+)46 325 66 14 49 **Fax** (+)46 325 61 10 04

Test standard : NF X 10-702 : Assesment of smoke opacity unrenewed atmosphere

Accredited COFRAC test : COFRAC accreditation attests competence of the laboratories for the only tests covered by the accreditation

Tested product

Name : ELMOTRANSPORT

Description : Leather for upholstery

Color : Vinrod

Remarks : /

Size : 76 mm x 76 mm x 1 mm

Conditionning : 23 ± 2 °C, 50 ± 5 % RH

The results are valid only for the fire-test-exposure conditions described in this procedure and for the specimens assessed.

Delivery Date : 16/06/09

Test's Date : 22/07/09

Results

	Test 1	Test 2	Test 3	Test 4	Average
Mode	NF	F	F	F	/
Mass (g)	6.22	6.05	5.83	6.00	/
Thickness (mm)	1.0	1.0	1.0	1.0	/
Mass loss (%)	51	2988	3113	2931	/
VOF4	184	830	419	493	581
tds16 (s)	81	37	48	39	/
Ds max	279	394	237	234	288

F : Flamming Mode / NF : Non Flamming Mode

Ds max : maximal specific optical density

VOF4 : opacification for the first four minutes of test.

tds 16: time to reach an optical density of 16

Remarks : None



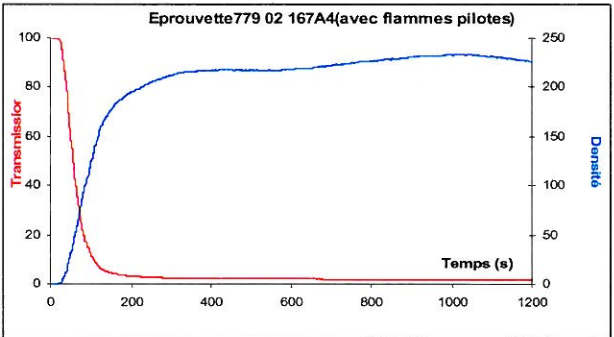
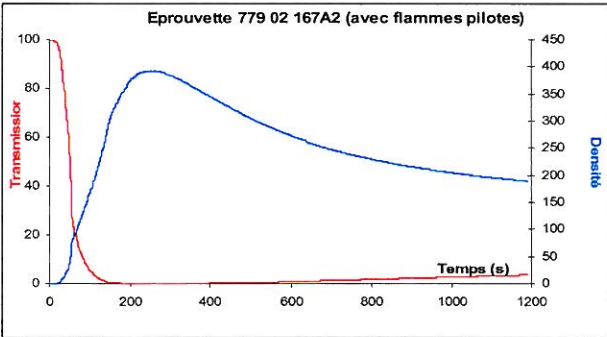
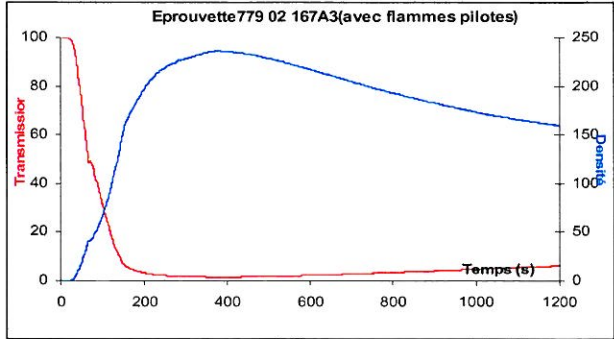
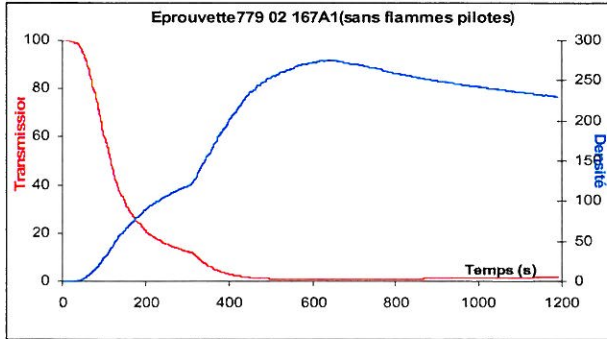
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Test report

Graphs



<p>L. PANKEWITCH Test Officer</p>	
<p>F. POUTCH Technical Manager</p>	<p>S. BOISSEZ, RT <i>suppléant</i>, </p>

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