

TEST REPORT

drawn up in conformity with the article 5 of the order dated November 21, 2002

VALIDITY 5 YEARS (until April, 30th, 2020)

N° 18704-15/A/VM/1

and annexes of 5 pages

Report of test delivered in extension of original report N°18704-15 dated 30th april 2015

1 – INTENT OF TEST : put a material to the action of a radiant heat source.

2 –SOURCE AND CHARACTERISTICS OF SAMPLES

2-1 MANUFACTURER : VESCOM BV
St Jozefstraat 20
5753 Av DEURNE
PAYS BAS

2-2 DISTRIBUTOR : VESCOM BV
St Jozefstraat 20
5753 Av DEURNE
PAYS BAS

2-3 COMMERCIAL BRAND NAME : Namal 7043 - Yburmrt 235

2-4 CHARACTERITICS CERTIFIES BY THE APPLICANT :

Fabric made of 100% polyester IFR
Mass per m² : 375g
Thickness : 1mm
Presented colour : Grey

2-5 CHARACTERITICS VERIFIES BY THE LABORATORY :

Date of reception of samples : April 21th 2015
Mass per m² (grammes per square meter) : 385 g.
Thickness : 0,8 mm.
Presented colour : Grey

3 –MODALITIES OF TESTS AND RESULTS

Annexe page 1 : Modalities of tests, conditioning, classification, durability.

Annexe pages 2 to 4 : Result of tests, board.

Annexe page 5 : Comments of this tests.

**MODALITIES OF TESTS FOR FLEXIBLE MATERIAL WITH A THICKNESS LOWER
OR EQUAL TO 5 MM AND FILTER MEDIAS OF EVERY THICKNESS**

1 - ELECTRIC BURNER TEST (Articles 12 to 25)

The sample (18 cm x 60 cm) taut on a grid is on a support at 30° in comparison to the horizontal plan. An incombustible panel put on the back, at the beginning of the test. The material submit to the calorific heat source and gazes current given by an Hooman burner set, in the vertical axe, at 3 cm under the sample.

After 20 secondes, a flame go to the contact of the material during 5 secondes. Time of the test : 5 minutes. The deciding factors are : time of flaming length destroy from the inferior side

2 - COMPLEMENTARIES TESTS

Article 25 : the materials which show a particular attitude during the principal test would be test to the complementaries tests given here after.

2-1 Drop point test (articles 23 to 45)

The sample (7 cm x 7 cm) is putting on a metallic grid submit to a calorific heat source setted 3 cm above.

During 5 minutes, the radiator is isolated at each inflammation and removed after extinction.

During 5 complementaries minutes, the radiator stay unmoved. The deciding factors are : drops in flame or not inflammation of coton setted under the sample

2-2 Propagation test (articles 46 to 48)

The sample (46 cm x 23 cm) setted vertically, on edge, submit the influence of a gaz burner flame. The propagation speed is mesured between two marks separated of 25 cm. or in the case of non-propagation of Flame, we note the time of persistence of flame, the lengths of propagation and the drops in flame or not.

2-3 Calorific value test (article 54 to 63)

This is the mesure of the quantity of calorific value given by the combustion of a known mass ignited in a bomb calorimeter under oxygen in pressure.

3 – CONDITIONNING OF SAMPLES

The samples showed with normalized dimensions shall be conditioned in a specified room (23°C±2°C and 50% ±5 of relative humidity) until mass constant near 0,1%.

4 – CLASSIFICATION (Articles 64 to 69 and 79 to 87)

They are given after the electric burner tests and sometimes after complementaries tests.

The combustibles materials are classified M1, M2, M3, ou M4.

Only the materials classified M1 should be classified M0.

5 – DURABILITY TEST (Article 10)

The terms of these tests, their interpretation at the process of classification are given in the chapters II and III of the appendice 22 of the order dated 30 june 1983 modified by order dated 28 August 1991.

Report of test delivered in extension of original report N°18704-15 dated 30th april 2015

RESULTS OF ELECTRIC BURNER TESTS

Date of test : April 27 and 29th 2015

Sample N°	1	2	3	4
Samples direction	warp	weft	weft	warp
Color of sample	Grey	Grey	Grey	Grey
Exposed face	*	*	*	*
Weight before test (g)	42,0	41,0	41,5	42,0
Moment of ignition (sec)	*	*	*	*
Time of ignition (sec)	*	*	*	*
Maximale length(cm)	15	13	17	19
Drop not in flame	Yes	Yes	Yes	Yes
Smokes	Little of smoke			
length destroyed (cm)	12	15	13	15
breadth destroyed (cm)	7	6	7	6
Meedle width destroyed (between 45 and 60 cm)	0	0	0	0

Report of test delivered in extension of original report N°18704-15 dated 30th april 2015

R.E N° 18704-15/AVM/1
Annexe page 3

Complementary test:

Test of fire propagation (NF P 92-504)

Date of test: April 27 and 29th 2015

Résultats: Namal 7043 - Yburmrt 235

SAMPLE N°	1	2	3	4
Samples direction	*	*	*	*
Colors of sample	Grey	Grey	Grey	Grey
Fire propagation (duration)	*	*	*	*
Drop in flamme	no	no	no	no

Report of test delivered in extension of original report N°18704-15 dated 30th april 2015

Test for thermo fusible materials (NF P 92-505)

Princip of test

The sample (7 cm x 7 cm) is putting on a metallic grid submit to a calorific heat source setted 3 cm above.

During 5 minutes, the radiator is isolated at each inflammation and removed after extinction.

During 5 complementaries minutes, the radiator stay unmoved.

The deciding factors are :

drops in flame or not inflammation of coton setted under the sample

Date of the tests: April 27 and 30th, 2015

Results: Namal 7043 - Yburmrt 235

Test N°	<i>Fall of melted material</i>	<i>Fall of ardent drops</i>	<i>Observations</i>
1	2min 25s	*	Little of smoke
2	2min 20s	*	Idem test 1
3	2min 13s	*	Idem test 1
4	1min 25s	*	Idem test 1

Report of test delivered in extension of original report N°18704-15 dated 30th april 2015

R.E N° 18704-15/AVM/1
Annexe page 5

4 - OBSERVATIONS RELATING THE ELECTRIC BURNER TESTS

4.1) Electric Burner test

Four samples have been tested.
There is no inflammation more than 5s on each samples.
There is no fall of drop ignited, but we observe fall of melted material.
Material is piercing.

4.2 Test of fire propagation

There is no flame persistence more on the material after removal of the burner.
There is no fall of drop ignited or not ignited.

4.3 Test for thermofusible materials

There is fall of melted material on each samples but no fall of burning drops

Le Bouchet, July 20th, 2015

The Laboratory's Manager « Fire tests »


H. BARBIER

Report of test delivered in extension of original report N°18704-15 dated 30th april 2015