

TEST REPORT

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PAGES	The report consists of 6 pages consecutively numbered.	
TEST SPECIMENS	Type: FURNITURE Reference: "MOBILIARIO POLIETILENO" and "MOBILIARIO POLIPROPILENO"	
TEST	UNI 9175:2010 Reaction to fire of upholstered furniture by applying a small flame.	
APPLICANT	VONDOM, S.L.U. AVDA DE VALENCIA 3 46891 EL PALOMAR (VALENCIA) - SPAIN	
DATE/S OF TEST	Reception of specimens:	06/07/2017
	Beginning of tests:	11/07/2017
	End of tests:	11/07/2017

AUTORIZADED SIGNATORIES



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Document digitally signed by a legal electronic signature

The test sample object of this report will remain in AIDIMME for a period of thirty days form the date of issuance thereof. After this period, the sample will be destroyed, so any claim must be carried out within these limits

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1. SAMPLE TEST

1.1. Description and Identification of the item tested. Inspection prior the test.

Sample corresponding to a piece of furniture made with polyethylene by rotational molding, all according to the information provided by the client, and referenced by the same as:

- “MOBILIARIO POLIETILENO”
(Ref. AIDIMME: 1707052-02)

Sample corresponding to a piece of furniture made with polypropylene by injection of plastic, all according to the information provided by the client, and referenced by the same as:

- “MOBILIARIO POLIPROPILENO”
(Ref. AIDIMME: 1707053-02)

1.2. Origin of the sample.

Sample supplied by the customer.

2. CARRIED OUT TEST

2.1. Requested test.

Reaction to fire of upholstered furniture according to Italian regulations.

2.2. Adaption of the test, method or procedure to standards.

The corresponding test method is conducted as indicated in the standards:

- Reaction to fire of upholstered furniture by applying a small flame, s/n UNI 9175: 10.

3. TEST METHOD

Test preparation.

The samples are conditioned at 80 ± 5 °C of temperature and at a relative humidity of 80 ± 5 % at least 72 hours, and before the test, a conditioning of 23 ± 2 °C of temperature and at a relative humidity of 50 ± 5 %, for a minimum of 48 hours.

Sources of Ignition.

There is an ignition source consisting of a flame whose height is 40 ± 2 mm, with different times of application:

- Flame source (45 ± 2) ml/min – (20 seconds)
- Flame source (45 ± 2) ml/min – (80 seconds)
- Flame source (45 ± 2) ml/min – (140 seconds)

Procedure.

The ignition source is applied to the interposed seat-back zone, 50 mm from the ends of any mark caused by an earlier test and the behavior of the assembly is observed.

The specimen passes the test if the ignition ceases within 120 seconds after the removal of the burner tube by which the flame is applied.

Conversely, if the inflammation persists after 120 seconds from the burner removal, the specimen does not pass the test.

However, it is also necessary to check that the test frame is disassembled once the test is completed, if there is internal progressive combustion (smoldering) through the entire thickness, in which case the test will not pass either.

The three tests are carried out according to the progressive order of the application time of the flame, first 20 seconds, then 80 seconds and finally 140 seconds, so that if one does not pass the test, the next application is not carried out.

The classification of the product tested is performed as follows:

- If the product does not pass the first test (20 seconds), it should not be classified
- If the product passes the first test (20 seconds), it is classified as 3 IM
- If the product passes the first two tests (20 and 80 seconds), it is classified as 2 IM
- If the product passes all tests (20, 80 and 140 seconds), it is classified as 1 IM

4. TEST RESULTS

Reaction to fire of upholstered furniture by applying a small flame

Sample (Reference)	Test results according to ignition source times								
	20 s	tpc	tpi	80 s	tpc	tpi	140 s	tpc	tpi
“MOBILIARIO POLIETILENO” (Ref.: 1707052-01)	Pass	0	0	Pass	0	0	Pass	0	0
“MOBILIARIO POLIETILENO” (Ref.: 1707052-01)	Pass	0	0	Pass	0	0	Pass	0	0
“MOBILIARIO POLIPROPILENO” (Ref.: 1707053-01)	Pass	0	0	Pass	0	0	Fail	≥ 120	0
“MOBILIARIO POLIPROPILENO” (Ref.: 1707053-01)	Pass	0	0	Pass	0	0	Fail	≥ 120	0

tpc: post-combustion time (s)

tpi: post-incandescence time (s)

Note: “The following test results relate only to the ignitability of a combination of different materials under the particular conditions of test stated; they are not intended as a means of assessing the full potential fire hazard of the materials or products in use”

5. RESULTS ASSESSMENTS

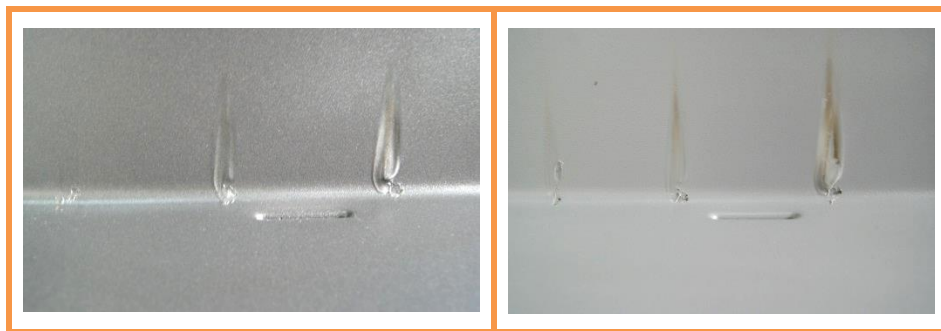
Therefore, and in view of the results:

The sample labelled by the customer as **“MOBILIARIO POLIETILENO”** described in the point 1.1 presents a classification CLASSE 1 IM (ONE I M), according to the standard UNI 9175:2010

The sample labelled by the customer as **“MOBILIARIO POLIPROPILENO”** described in the point 1.1 presents a classification CLASSE 2 IM (TWO I M), according to the standard UNI 9175:2010

6. PHOTOGRAPHS AFTER TESTING

- **“MOBILIARIO POLIETILENO”** (Ref.: 1707052-01)



Sample detail after testing

- **“MOBILIARIO POLIPROPILENO”** (Ref.: 1707053-01)



Sample detail after testing