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DATE OF ISSUE : 23 / 02 / 2024



## FIRE HAZARD TEST ON CONDUIT SYSTEMS FOR CABLE MANAGEMENT- RIGID CONDUIT SYSTEMS

REF 11

CUSTOMER : CSP - COMPTOIR SFAXIEN DU PLASTIQUE

ADDRESS : ROUTE DE TUNIS KM 13 Z.I. SIDI SALAH SFAX 3021 TUNISIE

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symbol \*

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M.F : 14322PAN000

**TEST DATE** : from 19/02/2024 to 23/02/2024

**SAMPLE TESTED** :

Date of Receipt :	19/02/2024
Customer :	CSP - COMPTOIR SFAXIEN DU PLASTIQUE
Type of Product :	CONDUIT SYSTEMS FOR CABLE MANAGEMENT- RIGID CONDUIT SYSTEMS
Description of product	CONDUIT SYSTEMS FOR CABLE MANAGEMENT- RIGID CONDUIT SYSTEMS- REF 11
Sample storage before disposal :	One year

**TEST CONDITIONS** :

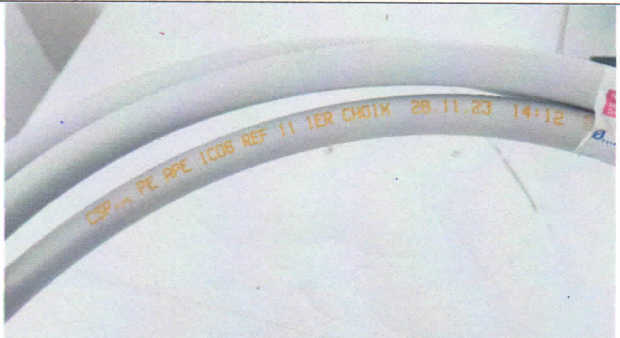
- This test report certifies only the characteristics of the Samples submitted for testing and does not prejudge the characteristics of similar products.
- The sample tested is delivered by customer
- The test program consists of carrying out the fire propagation test.

**TEST METHOD** :

<b>Standards :</b>	<ul style="list-style-type: none"> <li>• IEC 61386-1:2008+AMD1:2017 CSV</li> <li>• IEC 61386-21:2021</li> </ul>
<b>Specific test conditions</b>	<ul style="list-style-type: none"> <li>• TEMPERATURE : 22.5°C</li> <li>• Humidité :---</li> </ul>
<b>Abbreviations</b>	<ul style="list-style-type: none"> <li>• P : pass</li> <li>• F : fail</li> </ul>

## TEST RESULTS

**IDENTIFICATION** :

<p>CSP PIPE PE APE ICD6 REF 11 1ER CHOIX 28.11.23</p>	
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7 MARKING AND DOCUMENTATION (*)			
Clause No.	Prescription	Result	veridict
7.1	Each conduit shall be marked with – the manufacturer's or responsible vendor's name or trade mark or identification mark,	CSP	P
7.1	– a product identification mark, which may be, for example, a catalogue number, a symbol or the like, in such a way that it can be identified in the manufacturer's or responsible vendor's literature.	REF11	P
7.1.1	The conduit or smallest supplied package shall also be marked with the classification code, in accordance with Annex A, and shall include at least the first four digits	--	--
7.1.2	The manufacturer shall be responsible for indicating the compatibility of parts within a conduit system	--	--
7.1.3	The manufacturer shall provide in his literature its classification in accordance with Clause 6 and all information necessary for the proper and safe transport, storage, installation and use.	--	--



7.2	The conduit fitting shall be marked in accordance with 7.1, on the product wherever possible, but, where this is impractical, then the mark may be on a label attached to the product, or on the smallest supplied package. L'accessoire de conduit doit être marqué selon 7.1.	---	--
7.3	Flame propagating material shall be orange in colour. It shall not be coloured orange by painting or other superficial means.	---	--
	Flame propagating conduits shall also be marked with the following symbol: IEC 60417-6180:2013-01	---	--
7.4	Earthing facilities shall be indicated by the symbol for protective earth in accordance with IEC 60417, symbol IEC 60417-5019 (2006-08). This marking shall not be placed on easily removable parts, for example screws.		
7.5	Compliance with 7.1 to 7.4 is checked by inspection.	Yes	p
7.6	The marking shall be durable and clearly legible. Compliance is checked by inspection, using normal or corrected vision, without additional magnification and by rubbing the marking for 15 s with a piece of cotton cloth soaked with water and again for 15 s with a piece of cotton cloth soaked with n-hexane 95 %1.	Yes	p

<b>13</b>	<b>FIRE HAZARD-SPREAD OF FIRE :</b>		
Clause No.	Prescription	Result	verdict
13 + ANNEX B	Détermination of material thickness	See TABLE 1	P
	Fire hazard	See TABLE 2	P

TABLE 1 - Détermination of material thickness

Conduit REF 11	SAMPLE 1	SAMPLE 2	SAMPLE 3
measure 1 (mm)	1.87	1.67	1.77
measure 2 (mm)	1.85	1.65	1.71
measure 3 (mm)	1.86	1.70	1.89
measure 4 (mm)	1.86	1.70	1.80
average (mm)	1.86 mm	1.68 mm	1.79 mm
Average mm	1.78 mm		
normalized margin	1.5 mm < thickness ≤ 2,0 mm		

TABLE - Fire hazard

<b>Conditions of test :</b>	
used Gas	Propane
Longth échantillon	(675 ± 10) mm
thickness	1.78 mm
Time of exposure of the sample to the flame	35 s
Temps d'extinction	30 s

SAMPLE	flaming or glowing of the sample is extinguished within 30 s after removal of the test flame,	the tissue paper does it ignite	after extinction of the flaming or glowing of the sample, there is no evidence of burning or charring within 50 mm of the lower extremity of the upper clamp
1	Yes	yes	Yes
2	Yes	yes	Yes
3	Yes	yes	Yes

**CONCLUSION :**

The results of the tests carried out on the samples of conduit systems for cable management- rigid conduit systems- REF 11 are judged to comply with the standards cited in reference.

Tested by :

Nawel BEN MARZOUK	Kais BEN NCIR
