

Report No.: YC80009/2022
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Date: October 11, 2022

PROFILM MATERIALS LTD.

NO. 21, WENHUA N. ST., GUIREN DIST., TAINAN CITY, TAIWAN (R.O.C.)

The following merchandise was submitted and identified by the vendor as:

<u>Product Description:</u> Light-Emitting Warning Rope

Style/ Item No.: FGR-TD-0525/ No.1

Manufacturer/Vendor: Profilm Materials Ltd.

Country of Origin: Taiwan

Quantity: Total 1 piece
Testing Period: Aug. 25, 2022

Note: (Client's declaration) The style FGR-TD-0525, FGR-NK-0550 and

FGR-TD-1000 used the identical enclosure.

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required:

Test for Degrees of Protection Provided by Enclosures (IEC 60529 Edition 2.2: 2013)

IP Code	IPX8
First characteristic numeral	Omitted
Second characteristic numeral	Degrees of protection against ingress of water

Test Results:

Conclusion

Submittals sample(s) comply with the requirement and acceptance conditions of IEC 60529 Edition 2.2: 2013 Degrees of Protection Provided by Enclosures -- IPX8 The detailed description of test result, please see attached sheet(s).

Signed for and on behalf of SGS TAIWAN Ltd.

Cooper Tseng Asst. Supervisor

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Test for Degrees of Protection Provided by Enclosures:

Test Equipment:

Name	Brand	Model	Serial No.
Immersion Pressure Tank	self-made	SGS-ETR-1512	000001
Microprocessor Thermometer	Omega	HH23	T-238319

Lab Environmental Conditions:

(15 ~ 35) °C Ambient temperature:

Ambient humidity: $(25 \sim 75) \% RH$ Ambient pressure: $(86 \sim 106) \text{ kPa}$

No.33, Wu Chyuan Road, New Taipei Industrial Park, WuKu District, New **Test Location:**

Taipei City, Taiwan

Test Method/ Specification:

Test method: IEC 60529 Edition 2.2: 2013--IPX8

Sample condition: Operating (lighten function)

Test means: Completely immerse the specimen in water in its service position as

specified by client.

Test condition: The lowest point of enclosures with a height is located 50 m below the

surface of the water (approximately 5.17 kg/cm²)

30 minutes Test duration:

Test Device: As shown in photo 3, 4

- Examine the protection against ingress water of specimen and perform functional check after this test.
- Functional check: Turn on the power of specimen(s), then examine whether the lightening function of specimen(s) could work normally or not.

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Specimen:

Style/ Item No.: FGR-TD-0525/ No.1

Quantity: Total 1 piece

Test Result:

Degree of protection against ingress of water (IPX8)

Test Result				
	Charle Idam	Style/ Item No.		
Check Item		FGR-TD-0525/ No.1		
1	Does any water enter the enclosure?	No		
2	(followed check item 1) If any water has entered, does the water accumulate near the cable end or live parts?	N/A		
2.1	(followed check item 2) Does the water be sufficient to interfere with the correct operation of the equipment or impair safety?	N/A		
2.2	(followed check item 2.1) Does the water deposit on insulation parts where it could lead to tracking along the creepage distances?	N/A		
2.3	(followed check item 2.2) Does the water reach live parts or windings not designed to operate when wet?	N/A		
3 Functional check		Normal		

Note 1: N/A means "Not Applicable".

Note 2:The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in IEC 60529 Edition 2.2: 2013 and in accordance with the acceptance conditions specified by client.

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**Polishibity Laboratory/No 31 Wit Churan Pond New Tainel Industrial Park Wikity District, New Tainel City, Taiwan



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Test Photos:



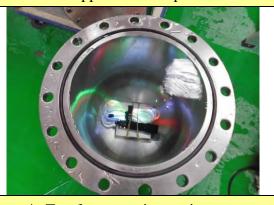
1. Appearance of specimen



2. Appearance of specimen



3. Test for protection against water



4. Test for protection against water



5. Functional check

- The End of Test Report ---

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