



## Test Report

No. VNHL2210023306EE

Date: November 10, 2022 Page 1 of 4

### CONG TY TNHH KY THUAT NEW SUN VIET NAM

SO 28 DUONG 15B, KHU PHO 6, PHUONG PHUOC LONG B, THANH PHO THU DUC, THANH PHO HO CHI MINH, VIET NAM

The following sample was submitted and identified on behalf of the client as below:

SGS Job No : VNHL2210023306EE  
Sample Description : POLYAMIDE + UV RESISTANT - CORRUGATED FLEXIBLE CONDUIT LSZH (SPLIT TYPE, ID 29 X OD 34.5)  
Project Title : HO CHI MINH CITY URBAN RAILWAY  
Construction Project : BEN THANH – SUOI TIEN SECTION (LINE 1)  
Sample Receiving Date : OCTOBER 20, 2022  
Final confirmed Date : OCTOBER 20, 2022  
Testing Period : OCTOBER 21, 2022 TO NOVEMBER 10, 2022  
Test Requested : PLEASE REFER TO THE RESULT SUMMARY.  
Test Results : PLEASE REFER TO NEXT PAGE(S).  
Result Summary :

Test(s) Requested	Result(s)
Acidity (by PH and Conductivity)	See result

Signed for and on behalf of

**SGS Vietnam LTD**



**To Ka Wing**

Chemical Lab Manager

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### Test result(s):

### Sample Description:

Component No.	Description	Material	Color
1	BLACK PLASTIC (POLYAMIDE + UV RESISTANT - CORRUGATED FLEXIBLE CONDUIT LSZH (SPLIT TYPE, ID 29 X OD 34.5))	PLASTIC	BLACK

### I. Test conducted

This test was conducted as per IEC 60754-2:2011+AMD1:2019 Test on gases evolved during combustion of materials from cables – Part 2: Determination of acidity (by pH measurement) and conductivity.

### II. Sample details

Sample Description	Corrugated flexible conduit (provided by client)
Color	Black

	Temperature (°C)	Humidity (%)	Duration
Precondition	23±2	50±5	At least 16h

### III. Test results

Items	Test No.	Sample mass (g)	Single result	Expression of the results using three values		
				Mean value	Standard deviation	Coefficient of variation
pH	1	1.0002	8.69	8.72	0.0	0.3%
	2	1.0005	8.74			
	3	1.0005	8.72			
Conductivity (μS/mm)	1	1.0002	21.69	21.72	0.0	0.1%
	2	1.0005	21.75			
	3	1.0005	21.73			

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### Recommended performance requirements (Cable weighted value, Material value)

The pH value should not be less than 4,3.

The value of conductivity should not exceed 10  $\mu\text{S}/\text{mm}$ .

### Conclusion:

According to the test results, the submitted sample **does not meet** the recommended performance requirements.

### Statements:

This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.

Remark: These above tests were performed by SGS's China Lab.

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**PHOTO OF SUBMITTED SAMPLE FOR TESTING**


REPORT RESULTS REFER TO SUBMITTED SAMPLE (S) ONLY

**\*\*\*End of Report\*\*\***

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