

CPRI

TEST REPORT



Central Power Research Institute

(A Govt.of India Society,)
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Bangalore - 560 080(INDIA)

CENTRAL POWER RESEARCH INSTITUTE



TEST REPORT

Test Report Number : CPRI BLCABMISC19T0003 Dated: 10.01.2019 **CPRI**

Name & Address of the Customer : M/s. Macoplast Pipe Industries,
11, Site #1A, Kyalasanahalli Village,
Bangalore East Taluk,
Bangalore - 560 077
Near Kothnur Police Station.

Name & Address of the Manufacturer : M/s. Macoplast Pipe Industries,
11, Site #1A, Kyalasanahalli Village,
Bangalore East Taluk,
Bangalore - 560 077
Near Kothnur Police Station.

Particulars of sample tested : Universal 25 mm Heavy FRLS UPVC Electrical
Conduit Pipe

Condition of the Sample on Receipt : New

Type : Nil
Description of test sample : Universal 25 mm Heavy FRLS UPVC Electrical
Conduit Pipe
Printing : UNIVERSAL ISI UPVC 25 mm HEAVY

Serial Number : Nil
Number of samples tested : One
Date(s) of Test(s) : 31.12.2018 to 04.01.2019
CPRI sample code no : CDDMISC18S0060

Particulars of tests conducted : Oxygen Index test

Test in accordance with standard/specification : ASTM-D-2863-2017

Sampling plan : Not applicable
Customer's requirement : Oxygen Index : 40% (Min)
Deviations if any : Nil


Name of the witnessing persons

Customer's representatives : None
Other than Customer's representatives : None
Test subcontracted with address of the laboratory : None

Documents constituting this report (in words)

Number of Sheets : Three
Number of oscillograms : Nil
Number of graphs : Nil
Number of photos : Nil
Number of Test Circuit Diagrams : Nil
Number of Drawings : Nil

R. Arunjothi
(R.ARUNJOTHI)
TEST ENGINEER



K.P. Meena
(K.P. MEENA)
JOINT DIRECTOR
Approved By

CENTRAL POWER RESEARCH INSTITUTE



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Date: 10.01.2019 **CPRI**

TEST RESULTS

The FRLS UPVC Electrical Conduit Pipe is moulded into the required dimensions and the following test is carried out.

OXYGEN INDEX TEST

Reference Specification : As per ASTM-D-2863-2017
Test Method : Procedure-B
Ignition Procedure : Method A
Measurement and control device : Type A
No. of specimen tested : Three
Type : Self-supporting material.
Conditioning : Samples were conditioned at 23±2°C & 50±5% R.H for 88 Hours.

Sample Number	Sample Dimensions (in mm)		Period of Burning (in Sec)	Extent of Burning (in mm)	Oxygen Index at 25°C (in %)
	Length 150 mm	Width Thickness			
1.	6.5	3	180	≤ 50	48.0
2.	6.5	3	180	≤ 50	48.0
3.	6.5	3	180	≤ 50	48.0

Observed Oxygen Index : 48.0 %
Customer's Requirement : 40.0 % (Min)

Observation: No charring, dripping, severe shrinkage or erratic burning, after glow was observed during the test.

Note: The test results relate only to the behaviour of the test specimens under the conditions of this test method and that these results must not be used to infer the fire hazards of the material in other forms or under other conditions

R. Arunjothi
(R.ARUNJOTHI)
TEST ENGINEER

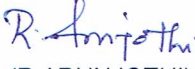
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NOTE

- a) The test results relate only to the item(s) tested.
- b) Publication or reproduction of this test report in any form other than by complete set of the whole report and in the language written is not permitted without the written consent of CPRI.
- c) Any Correction/erasure invalidates the test report.
- d) NABL has accredited this laboratory as per ISO/IEC 17025-2005 standard, vide certificate no. TC-5452 for the tests carried out.
- e) Any anomaly/discrepancy in this test report should be brought to the notice of CPRI within 45 days from the date of issue.


(R.ARUNJOTHI)
TEST ENGINEER