

CPRI

TEST REPORT



Central Power Research Institute

(A Govt. of India Society,)

**P.B. No.8066, Sadashivanagar Post Office
Prof. Sir.C.V. Raman Road,
Bangalore - 560 080(INDIA)**



CPRI

TEST REPORT

Test Report Number : CPRI/LRCABMISC19T0005 Dated: 10.01.2019

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 : Temperature Index test

Test in accordance with standard/specification : In general accordance with ASTM D 2863 – 2017

Sampling plan : Not applicable

Customer's requirement : Temperature Index : 250 °C (Min)

Deviations if any : Nil

Name of the witnessing persons : None

Customer's representatives : None

Other than Customer's representatives : None

Test subcontracted with address of the laboratory

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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TEST RESULTS

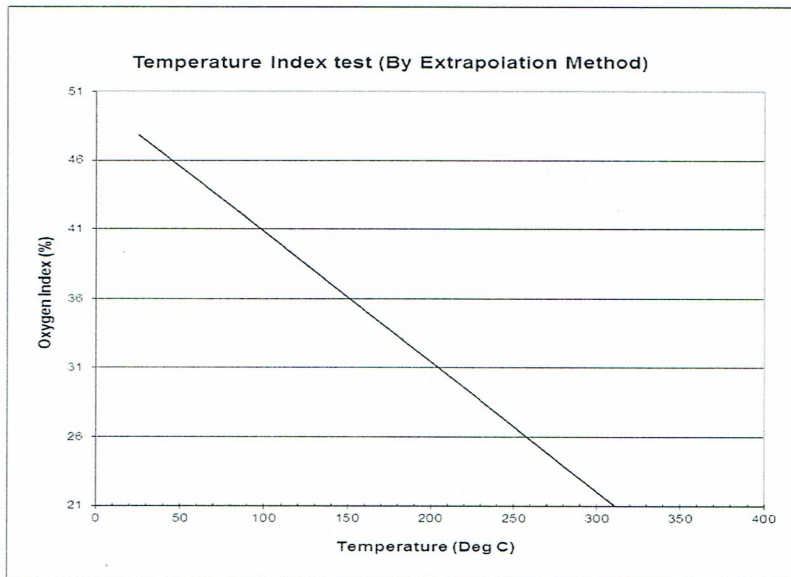
The FRLS UPVC Electrical Conduit Pipe is moulded into the required dimensions and the following test is carried out.

OXYGEN INDEX AT ELEVATED TEMPERATURE (TEMPERATURE INDEX TEST)

Reference Specification : In general accordance with ASTM D 2863 - 2017
No. of specimen tested : Three
Type : Self supporting material.
Ignition Procedure : Method A
Test Method : Procedure-B
Measurement and control device : Type A
Conditioning : Samples were conditioned at $23 \pm 2^\circ\text{C}$ & $50 \pm 5\%$ R.H. for 88 Hours.

Sample Number	Sample Dimensions (in mm)		Temperature In degree C	Period of Burning (in Sec)	Extent of Burning (in mm)	Oxygen Index value (Avg) in %
	Length 150 mm	Thickness				
1.	6.5	3	50	180	≤ 50	45.5
2.	6.5	3	75	180	≤ 50	43.0
3.	6.5	3	100	180	≤ 50	41.0

Observed Temperature index by extrapolation method : Greater than 250°C
Customer's Requirement : 250°C (Min)



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
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TEST ENGINEER