



No.: 0135908

Test Certificate

Issued to: M/s Janani Electricals.,
#206, 10th Main Road G Block
Sahakaranagar,
Banglore-560 092

Page 1 of 3
Date: 24.01.2023

Ref : Your Delivery Challan No: 68, Date:24.11.2022
TEST REPORT AS PER : IS 9537-1983
PART A : PARTICULARS OF SAMPLE SUBMITTED

REPORT NO: 2207234

- | | | |
|--------------------------------------|---|-------------------------------------------------------------------------------------------------|
| a) Name of the Sample | : | Rigid Plain Conduits of Insulating material for electrical installation |
| b) Grade/Variety/Type/Size/Class | : | <u>Grade: 25mm HMS, FRLS PVC Conduit.</u> |
| c) Declared values, if any | : | <u>Brand Name: VIP, Mfg by: National Pipe Products</u>
Project Name: Godrej Anand, Banglore. |
| d) Code No. | : | Nil |
| e) Batch No. and Date of Manufacture | : | 25L62410 |
| f) Quantity | : | 03 mtr x 06 no's (Without Socket End) |
| g) Mode of Packing | : | HDPE Bag |
| h) Seal | : | Nil |
| i) Any other information | : | Samples received on 29.11.2022 |
| j) Date of Initiation of testing | : | 29.11.2022 |
| k) Date of Completion of testing | : | 23.01.2023 |

PART B : SUPPLEMENTARY INFORMATION

- | | | |
|---------------------------------------------------------------------------------------|---|---------------|
| a) Reference to sampling Procedure | : | Nil |
| b) Supporting documents for the measurement taken and result derived | : | Nil |
| c) Deviation from the test method as prescribed in relevant work instructions, if any | : | Nil |
| d) Statement of conformity as per the test result obtained | : | As per Part-C |
| e) Decision Rule applicable or not | : | Nil |



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TEST RESULTS

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PART - C

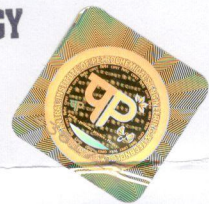
(As per IS 9537(Pt.3) :1983 with latest Amend.)

S.No	Clause	Test	Specified Requirement	Results obtained
1.	5	CLASSIFICATION		
	5.1	Classification of Conduits	Shall be classified according to mechanical properties (1)Light, (2) Medium, (3) Heavy	Heavy Mechanical Stresses
3.	7	DIMENSIONS		
		Dimensions of Conduit	Table-1	
	7.1	Outside Diameter	25.0	24.8
		Tolerance on Outside Diameter	-0.4	0.2
		Inside Diameter (min) (mm)	21.4	21.6
4.	7.1.1	Max ; Min OD of the Conduits measured by Gauges	Fig.1 & Fig.2	Passed
	7.1.1/ 7.2	Min Inside Diameter of Conduits checked by Gauges	Fig.3	Passed
5.	7.1.1	Dimensions of Socket	Table 2	Passed
		(a) Outside diameter (Max) (mm)	29.8	29.6
		(b) Inside diameter (Min)(mm)	25.1 +0.3 -0	25.2
		(c) Length of the Socket (min)(mm)	40	45.0
		Dimensions of Socket Max ,OD & ID of the socket measured by gauges	May he verified with the help of gauges as show in Fig .7 & Fig.8	Passed
	7.3	Length of Conduit Pipe (mtr)	3.0 or 4.0 mtr	3.02
	7.4	Uniformity of wall thickness (mm)	In no case shall the difference between the value measured and the average of twelve values obtained from three samples exceed 0.1+10%of average value.	0.1 Passed
6.	8.1	Construction	The inside and the outside surface of conduits shall be reasonably smooth and free from burrs, flash and similar defects ; in addition, the edge over which the conductors or cable are likely to be drawn shall not damage the cable or conductor	Satisfactory
	9.2	Bending test (at -5 ± 2°C and room temp.)	Shall show no cracks visible to normal or corrected vision without magnification.	Passed
	9.3	Compression test	i)The difference between the initial diameter and diameter of the flattened sample shall not exceed 25% of the initial diameter ii) difference between initial diameter and the diameter of the flattened sample shall not exceed 10% of the initial diameter	4.90% Passed 2.50% Passed



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सेन्ट्रल इंस्टिट्यूट ऑफ पेट्रोसायन इंजीनियरिंग एण्ड टेक्नोलॉजी
चेरलापल्ली, हैदराबाद-५०० ०५१.
CENTRAL INSTITUTE OF PETROCHEMICALS ENGINEERING & TECHNOLOGY
Cherlapally, Hyderabad - 500 051.



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Continuation Sheet

REPORT No. 2207234
PART - C

TEST RESULTS
(As per IS 9537 (Pt.3) : 1983 with latest Amend.)

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S.No	Clause	Test	Specified Requirement	Results Obtained
7.	9.4	Impact test	Shall be no sign of disintegration, neither shall there be any crack visible to the naked eye	Passed
8.	9.5	Collapse test	The minimum internal diameter shall be checked with appropriate gauge and it shall be possible to pass this gauge through the conduit, fixed to support.	Passed
9.	10.0	Resistance to Heat (mm)	Shall not exceed 2 mm	0.6
10.	11	Resistance to burning	Any flame shall have died out in less than 30 sec after removal of the burner	18 Passed
11.	12.1.1	Electrical Strength	No breakdown or flashover shall occur during the test	Passed
12.	12.1.2	Insulation Resistance (MΩ)	Shall not be less than 100 MΩ	116 Passed

PART D: REMARKS : Nil

NB: 1. This Test Report/Certificate is issued only for the samples submitted to CIPET.

2. The results stated above related only to the items tested

3. The report shall not be reproduced in full/part without written approval of the laboratory.

4. The quality of the subsequent production lot has to be ensured by the purchaser.

5. Any anomaly/discrepancy in this report should be brought to the notice of CIPET within 30 days from the date of issue

Ch. Venkatesh
Sr. Technical Asst (SG)
AUTHORISED SIGNATORY

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V.Kiran Kumar
(Chief Manager)
AUTHORISED SIGNATORY