

TEST REPORT

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ULR No.:-	--	Discipline/ Group:	Electrical/ Environmental Test Facility
Test Report No.	STC/TEST/N20230413005	Date of Issue:	25/04/2023

Name & Address of Customer:	DEE FIVE SHRINK INSULATIONS PVT. LTD. Plot No. 165, HSIIDC, Sector- 17, Bahadurgarh - 124507, Haryana		
Name & Address of Manufacturer (If required):	DEE FIVE SHRINK INSULATIONS PVT. LTD. Plot No. 165, HSIIDC, Sector- 17, Bahadurgarh - 124507, Haryana		
Customer Ref. & Date:	Nil	W.O. No:	N20230413005
Date of Sample Receipt:	13/04/2023	Start of Test Date:	13/04/2023
		End of Test Date:	19/04/2023

PART A - PARTICULARS OF THE SAMPLE SUBMITTED



Sample description	PVC Heat Shrinkable Lay Flat Tubing
Grade/ variety/ type/ class/ size etc.	Thickness – 0.15mm
Declared values, if any	--
Code no., BIS seal and IO's sign. if any	--
Batch no., date of manufacture and Brand Name	--
Name & Address of Manufacturer (If required)	DEE FIVE SHRINK INSULATIONS PVT. LTD. Plot No. 165, HSIIDC, Sector- 17, Bahadurgarh - 124507, Haryana
Serial No.	--
Quantity	1 No.
Condition of the sample	OK
Reference specification (s)	UL 224 As per customer specification
Environmental conditions	Temperature (25±10)°C & Relative Humidity(45-75)%

PART-B: SUPPLEMENTARY INFORMATION

1. If an Item is tested, acknowledging deviations from specified conditions as requested by customers, the results may be affected due to this deviation.
2. Details of the drawings, graphs, tables, sketches or photographs as referred in the test report, if any:

Notes:

1. This report is not to be reproduced except in full/partial without approval of the laboratory in writing.
2. This report refers only to the particular sample detailed above.
3. The results reported in this Test report are valid at the time of and under the stipulated conditions of measurement.

Tested by	Approved by
	
(Ankur Singh/Testing Engineer)	(Khushboo/Technical Manager)

Format No. - STCLAB/F/EL/06

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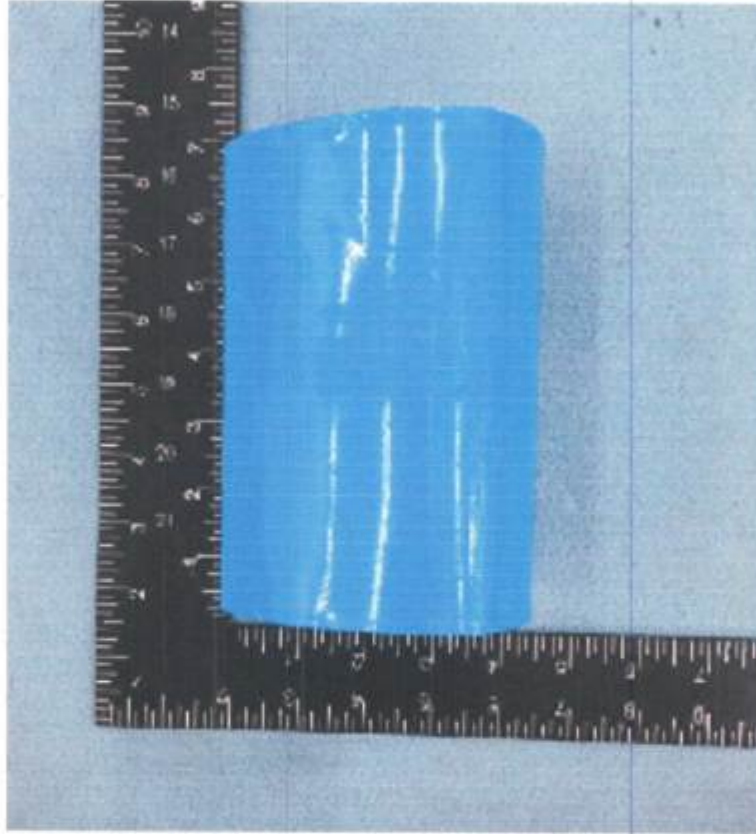
PART C: TEST RESULT

Sr. No.	Property	Required Value	Test Value	Verdict
1.	Shrinking properties			
1.1	Longitudinal Changes	0 to -5%	0 to -3 %	Satisfactory
1.2	Eccentricity	Max. 30%	10 to 25 %	Satisfactory
1.3	Shrink ratio	Min. 50%	54%	Satisfactory
2.	Physical properties			
2.1	Form	Heat-shrinkable	Complies	Satisfactory
2.2	Color	Blue	Complies	Satisfactory
2.3	Tensile strength	Min. 10.4 MPa	Min.15 MPa	Satisfactory
2.4	Elongation	Min. 200%	Min 350 %	Satisfactory
2.5	After aging at 158°C /168 hrs Tensile strength Ultimate Elongation	Minimum remain 70% MPa Min. 100%	Min. 13 Mpa Min. 250%	Satisfactory
2.6	Heat shock 180°C / 4 hrs	No cracking	No cracking	Satisfactory
2.7	Cold bend test -30°C / 1 hrs	No cracking	No cracking	Satisfactory
3.	Electrical properties			
3.1	Dielectric strength	60 seconds at 2500 V	5.8KV	Satisfactory
3.2	Volume resistance	Min. $10^{10} \Omega \cdot \text{cm}$	$10^{12} \Omega \cdot \text{cm}$	Satisfactory
4.	Chemical properties			
4.1.	Flammability	VW-1	VW-1	Satisfactory
4.2	Water absorption	Max. 0.5%	0.25%	Satisfactory
4.3	Copper corrosion	No corrosion	No corrosion	Satisfactory




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Photograph of Sample:



PART D:-

REMARKS: Pass

Tested by	Approved by
	
(Ankur Singh/Testing Engineer)	(Khushboo/Technical Manager)

***** END OF TEST REPORT *****