

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

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TEST REPORT

SHEET 1 OF 3

NAME AND ADDRESS OF CUSTOMER		REPORT No. DATE	RP-1920-035760 31-12-2019
HPS Exim Private Limited 988/16/2, G.I.D.C. Industrial Estate, Makarpura-390 010, Vadodara Gujarat, India		CUSTOMER REF. No. DATE	Letter & Form No. 035 13-12-2019
		DATE OF SAMPLE RECEIPT	DATE OF TESTING
		13-12-2019	26-12-2019 to 31-12-2019
SAMPLE DESCRIPTION		SAMPLE IDENTIFICATION	
Fibre Glass Epoxy Sheet (Nema G-10) Grade: G-10 Type: Electrical Make: HPS		ERDA Sample Code No.: ERDA-00348508	
Sr. No.	TEST DETAILS	TEST SPECIFICATION	
1.	Flexural strength	IEC 60893-2:2003	
2.	Izod impact strength		
3.	Breakdown voltage		
4.	Permittivity and dissipation factor		
5.	Insulation resistance		
6.	Water absorption		
REMARKS: (1) Requirement is not mentioned in the test specification, hence remark for conformity is not given in the test report. (2) Photograph of sample in as received condition is on SHEET 3 OF 3.			
PREPARED BY		CHECKED BY	APPROVED BY
			 (S.M.Falnikar)
Note: 1 This report relates only to the particular sample received for testing in good condition at ERDA, Vadodara. 2 This report cannot be reproduced in part under any circumstances. 3 Publication of this report requires prior permission in writing from Director, ERDA. 4 Only the tests asked for by the customer have been carried out. 5 In case of any dispute, Vadodara will be the exclusive jurisdiction & shall be construed as where the cause has raised.			
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TEST REPORT No. RP-1920-035760		DATE: 31-12-2019		SHEET 2 OF 3	
Sr. No.	Particular of Tests & Cl. No.	Requirements as per specification	Obtained value	Remarks	
1.	Flexural strength, N/mm ² Cl. No. 5.1	--	614.5	--	
2.	Izod impact strength, kJ/m ² (Edgewise, Notched) Cl. No. 5.4.3	--	89.1	--	
3.	Breakdown voltage, kV/25mm -Parallel to laminations (20s step test in oil at 90°C) Cl. No. 6.1.3.2 Ave. measured width:25.22mm	--	61.8	--	
4.	Permittivity Dissipation factor Cl. No. 6.2 (after drying at 105°C for 96h) Average measured thickness: 2.97mm	-- --	5.70 0.0051	-- --	
5.	Insulation resistance, MΩ Cl. No. 6.3 (after immersion in water at 25°C for 24h)	--	9.5x10 ⁸	--	
6.	Water absorption at 23°C, mg Cl. No. 8.2 Ave. measured thick.:10.08mm	--	6.8	--	

PREPARED BY   CHECKED BY 

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