

TEST REPORT



**ELECTRICAL RESEARCH & DEVELOPMENT ASSOCIATION
ERDA ROAD, GIDC, MAKARPURA, VADODARA - 390010
INDIA**

RECOGNISED BY THE GOVERNMENT OF INDIA

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❖ Bureau of Indian Standards (BIS)	ISI Mark
❖ International recognition from IECEE - CB	Cables L T Switchgears
❖ UL India Private Ltd.	L T Switchgears & S. C. Lab.
❖ Candian Standards Association	L T Switchgears
❖ Directorate General Factory Advice Service and Labour Institute - Mumbai.	Increased Safety Motors
❖ Petroleum Conservation Research Association	Energy Audit & Conservation
❖ Commissioner of Electricity, Government of Gujarat	Household Electrical Appliances & Energy Audits
❖ Chief Inspectorate of Steam Boilers and Smoke Nuisances, Gujarat State	Steam Boiler
❖ Department of Revenue, Ministry of Finance, Government of India	Income Tax
❖ Charity Commissioner Maharashtra State	Society Registration

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India Gram : ELECSEARCH

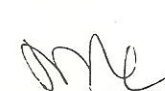
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E-mail: erda@wilnetonline.net



TEST REPORT

Sheet 1 of 2

NAME & ADDRESS OF CUSTOMER Chirag Laminates Pvt.Ltd. 141,Princess street , Sai Bhuvan , 1 st Floor , Mumbai - 400 002	REPORT NO : 1.02/11/1525 -1	
	DATE : 08-4-2003	
	CUSTOMER REF NO. : Nil	
	DATED : 14-02-2003	
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	15-02-2003	20-03-2003 to 06-04-2003
SAMPLE DESCRIPTION Polyester Non - Woven fabric + Polyester film + Polyester Non - Woven fabric Thickness of product : 0.15 mm (0.05 mm +50micron+0.05 mm)	SAMPLE IDENTIFICATION	
TEST DETAILS		
TEST SPECIFICATION		
1. Thickness	IEC 626-2-1978	
2. Substance	IEC 626-2-1978	
3. Tensile strength and Elongation at break	IEC 626-2-1978	
4. Electric strength	IEC 626-2-1978	
REMARKS:		
 PREPARED BY	 CHECKED BY	 APPROVED BY

Note:

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DATE : 08-4-2003

Sheet 2 of 2

Sr. No.	Particulars of Tests & Cl. No.	Requirements as per Specification	Obtained Value	Remarks
1.	Thickness , mm Cl No. 2	-	Cent. 0.17	-
2.	Substance , gms/m ² Cl. No. 3	-	Cent. 162	-
3.	Tensile strength and elongation at break , Cl. No. 4 - Unfolded (Cl.No.4.3) (i) Tensile strength, N/10 mm width - Machine direction - Cross direction (ii) Elongation , % - Machine direction - Cross direction	- - - - - - -	Cent. 111 Cent. 88 Cent. 52 Cent. 71	- - - -
2.	Electric strength, ac, unfolded , in air at 27° C . kV(Cl. No. 9)	-	Cent. 7.3	-

authakker
PREPARED BY

Reeshah
CHECKED BY

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	DATE : 08-4-2003	
	CUSTOMER REF NO : Nil	
	DATED : 14-02-2003	
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	15-02 -2003	20-03-2003 to 06-04-2003
SAMPLE DESCRIPTION Polyester Non - Woven fabric + Polyester film + Polyester Non - Woven fabric Thickness of product : 0.18 mm (0.05 mm +75micron+0.05 mm)	SAMPLE IDENTIFICATION	
TEST DETAILS	TEST SPECIFICATION	
1. Thickness	IEC 626-2-1978	
2. Substance	IEC 626-2-1978	
3. Tensile strength and Elongation at break	IEC 626-2-1978	
4. Electric strength	IEC 626-2-1978	
REMARKS:		
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DATE : 08-4-2003

Sr. No.	Particulars of Tests & Cl. No.	Requirements as per Specification	Obtained Value	Remarks
1.	Thickness , mm Cl No. 2	-	Cent. 0.18	-
2.	Substance , gms/m ² Cl. No. 3	-	Cent. 197	-
3.	Tensile strength and elongation at break , Cl. No. 4 - Unfolded (Cl.No.4.3) (i) Tensile strength, N/10 mm width - Machine direction - Cross direction (ii) Elongation , % - Machine direction - Cross direction	 - - - - - -	 Cent. 137 Cent. 129 Cent. 61 Cent. 40	 - - - -
2.	Electric strength, ac, unfolded , in air at 27° C , kV/ (Cl. No. 9)	-	Cent. 8.6	-

M. Thakkar
PREPARED BY

Rashah
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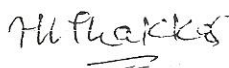
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NAME & ADDRESS OF CUSTOMER Chirag Laminates Pvt.Ltd. 141, Princess street , Sai Bhuvan , 1 st Floor , Mumbai - 400 002	REPORT NO : I.02/11/1525 -3	
	DATE : 08-4-2003	
	CUSTOMER REF NO : Nil	
	DATED : 14-02-2003	
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	15-02-2003	20-03-2003 to 06-04-2003
SAMPLE DESCRIPTION Polyester Non - Woven fabric + Polyester film + Polyester Non - Woven fabric Thickness of product : 0.23 mm (0.05 mm +125micron+0.05 mm)	SAMPLE IDENTIFICATION	
TEST DETAILS	TEST SPECIFICATION	
1. Thickness	IEC 626-2-1978	
2. Substance	IEC 626-2-1978	
3. Tensile strength and Elongation at break	IEC 626-2-1978	
4. Electric strength	IEC 626-2-1978	
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REPORT NO : L02/11/1525 -3

DATE : 08-4-2003

Sheet 2 of 2

Sr. No.	Particulars of Tests & Cl. No.	Requirements as per Specification	Obtained Value	Remarks
1.	Thickness , mm Cl No. 2	-	Cent. 0.25	-
2.	Substance , gms/m ² Cl. No. 3	-	Cent. 280	-
3.	Tensile strength and elongation at break , Cl. No. 4 - Unfolded (Cl.No.4.3) (i) Tensile strength, N/10 mm width - Machine direction - Cross direction (ii) Elongation , % - Machine direction - Cross direction	 - - - - - -	 Cent. 189 Cent. 175 Cent. 63 Cent. 52	 - - - - -
2.	Electric strength, ac, unfolded , in air at 27° C , kV(Cl. No. 9)	-	Cent. 12.7	-

H. Thakkar

PREPARED BY

Reeha

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	DATE : 08-4-2003	
	CUSTOMER REF NO : Nil	
	DATED : 14-02-2003	
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	15-02-2003	20-03-2003 to 06-04-2003
SAMPLE DESCRIPTION Polyester Non - Woven fabric + Polyester film + Polyester Non - Woven fabric Thickness of product : 0.30 mm (0.05 mm +190 micron+0.05 mm)	SAMPLE IDENTIFICATION -	
TEST DETAILS		
TEST SPECIFICATION		
1. Thickness	IEC 626-2-1978	
2. Substance	IEC 626-2-1978	
3. Tensile strength and Elongation at break	IEC 626-2-1978	
4. Electric strength	IEC 626-2-1978	
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DATE : 08-4-2003

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Sr. No.	Particulars of Tests & Cl. No.	Requirements as per Specification	Obtained Value	Remarks
1.	Thickness , mm Cl No. 2	-	Cent. 0.30	-
2.	Substance , gms/m ² Cl. No. 3	-	Cent. 358	-
3.	Tensile strength and elongation at break , Cl. No. 4 - Unfolded (Cl.No.4.3) (i) Tensile strength, N/10 mm width - Machine direction - Cross direction (ii) Elongation , % - Machine direction - Cross direction	 - - - - - -	 Cent. 268 Cent. 263 Cent. 75 Cent. 88	 - - - -
2.	Electric strength, ac, unfolded , in air at 27° C . kV(Cl. No. 9)	-	Cent. 20.6	-

707th Air Cntrl
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	DATE : 08-4-2003	
	CUSTOMER REF NO : Nil	
	DATED : 14-02-2003	
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	15-02-2003	20-03-2003 to 06-04-2003
SAMPLE DESCRIPTION Polyester Non - Woven fabric + Polyester film + Polyester Non - Woven fabric Thickness of product : 0.35 mm (0.05 mm +250micron+0.05 mm)	SAMPLE IDENTIFICATION	
TEST DETAILS		
TEST SPECIFICATION		
1. Thickness	IEC 626-2-1978	
6. Substance	IEC 626-2-1978	
3. Tensile strength and Elongation at break	IEC 626-2-1978	
4. Electric strength	IEC 626-2-1978	
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REPORT NO : I.02/11/1525-5

DATE : 08-4-2003

Sheet 2 of 2

Sr. No.	Particulars of Tests & Cl. No.	Requirements as per Specification	Obtained Value	Remarks
1.	Thickness , mm Cl No. 2	-	Cent. 0.37	-
2.	Substance , gms/m ² Cl. No. 3	-	Cent. 449	-
3.	Tensile strength and elongation at break , Cl. No. 4 - Unfolded (Cl.No.4.3) (i) Tensile strength, N/10 mm width - Machine direction - Cross direction (ii) Elongation , % - Machine direction - Cross direction	 - - - - - -	 Cent. 270 Cent. 266 Cent. 104 Cent. 94	 - - - -
2.	Electric strength, ac, unfolded , in air at 27° C , kV(Cl. No. 9)	-	Cent. 22	-

Autthakrasy

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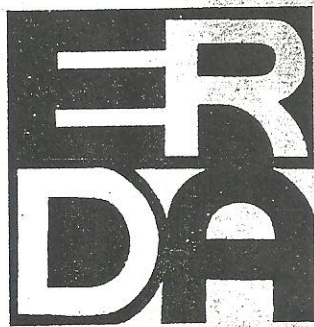
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 - ❖ Calibration Services
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 - ❖ Failure Investigation of Power / Process Plants & Components
 - ❖ Reliability & Life Assessment including NDT Services
 - ❖ Field & System Studies
 - ❖ Energy Audit / Conservation
 - ❖ Products, Materials and Process related Technology Development work and Research
-
- ❖ Technical Consultancy & Technology Transfer
 - ❖ Third Party Inspection and Witness Certification
 - ❖ Knowledge Dissemination, Training Programmes



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