



Certificate No. : T-0071

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

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

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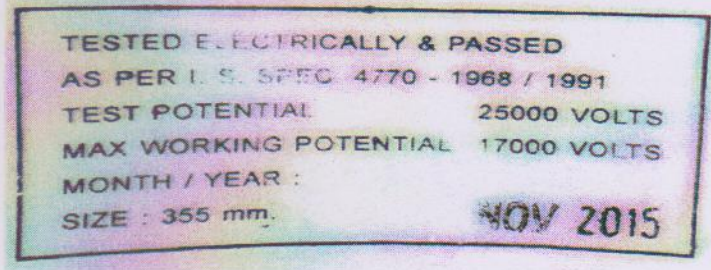
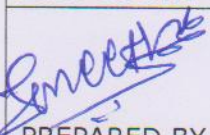

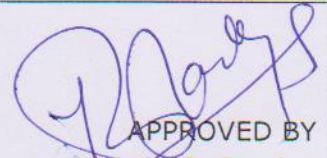
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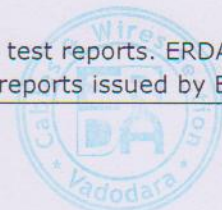


TEST REPORT

SHEET 1 of 4

NAME & ADDRESS OF CUSTOMER Dahanu Rubber Gloves Mfg. Co., Jawahar Marg, Village Sarawali, Dahanu Road (East) - 401 602. Dist. Thane, Maharashtra State.		REPORT NO. : RP-1516-032369	DATE : 30-11-2015
		CUSTOMER REF. NO : MKS/15-16/024	DATED : 06-11-2015
		DATE OF SAMPLE RECEIPT	DATE OF TESTING
		06-11-2015	19-11-2015 to 30-11-2015
SAMPLE DESCRIPTION Rubber hand gloves for electrical purpose Type of gloves : 4 Size : 355 mm Brand : Jyot	SAMPLE IDENTIFICATION Printing :   ERDA Sample Code : ERDA-00114692		
TEST DETAILS As per sheet 2 of 4	TEST SPECIFICATION IS: 4770 - 1991		
REMARK : The sample conforms to the requirements for all the mentioned tests.			
ENCLOSURE : ANNEXURE - Photographs of sample (SHEET 1 of 1)			
 PREPARED BY	 CHECKED BY	 APPROVED BY Mr. N. R. Pandya	
NOTE: 1. This report relates only to the particular sample received for testing in good condition at ERDA. 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 arised.			
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SHEET 2 of 4

DATE : 30-11-2015

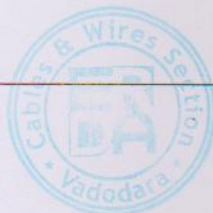
TEST DETAILS :

Test Specification : IS: 4770-1991

Sr. No.	Cl. No	Test Particulars.
1	6.1.1.a	Thickness
2	6.1.1.b	Tensile strength
3	6.1.1.c	Elongation at break
4	6.1.1.d	Tension set
5	6.1.1.e	Tensile stress at 200 percent elongation
6	6.1.1.f	Tear strength
7	6.1.1.g	Tensile strength and elongation at break after heat ageing
8	6.1.1.h	Puncture resistance
9	6.1.1.j	Moisture absorption
10	6.1.1.n	Proof voltage and leakage current
11	6.1.1.p	Breakdown voltage test
12	6.1.1.q	Ozone resistance

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REPORT NO. : RP-1516-032369

SHEET 3 of 4

DATE : 30-11-2015

Sr. No	Cl. No.	Tests	Requirement as per Specification	Obtained value	Remarks
1	6.1.1.a	Thickness of gloves Thickness, mm -at Crotch area	Min. 1.05 Max. 2.30	2.26 2.27	Conforms Conforms
		-at Non-crotch area	Min. 1.30 Max. 2.30	2.22 2.29	Conforms Conforms
2	6.1.1.b	Tensile strength, MPa	Min. 10	19.1	Conforms
3	6.1.1.c	Elongation at break, %	Min. 500	690	Conforms
4	6.1.1.d	Tension set, %	Max. 25	5	Conforms
5	6.1.1.e	Tensile stress at 200 percent elongation, MPa	Max. 2.1	1.8	Conforms
6	6.1.1.f	Tear strength, kN/m	Min. 14	38.8	Conforms
7	6.1.1.g	Tensile strength and elongation at break after heat ageing, - Change in tensile strength, after accelerated ageing at $70 \pm 2^\circ\text{C}$ for 168 h, percent of original	Min. 90	94	Conforms
		- Change in elongation at break, after accelerated ageing at $70 \pm 2^\circ\text{C}$ of 168 h, percent of original	Min. 80	94	Conforms
8	6.1.1.h	Puncture resistance, kN/m	Min. 18	51.8	Conforms
9	6.1.1.j	Moisture absorption, mg/cm^2	Max. 5	2.7	Conforms

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SHEET 4 of 4

DATE : 30-11-2015

Sr. No.	Cl. No.	Test	Requirement as per Specification	Obtained value	Remarks
10	6.1.1.n	Proof voltage and leakage current -Proof voltage test	Sample shall withstand 25000 V (rms) for 1 minute	Withstood	Conforms
		-Leakage current at working Voltage (17000 V rms), μ A	Max. 8000	6200	Conforms
		-Leakage current at proof Voltage (25000 V rms), mA	Max. 16	14	Conforms
11	6.1.1.p	Breakdown voltage test -Breakdown voltage (V), rms	Min. 30000	34100	Conforms
12	6.1.1.q	Ozone resistance	Any visible signs of ozone deterioration of the glove material such as cracking, pitting, breaks, etc, shall not be observed	No visible signs of ozone deterioration of the glove material was observed	Conforms

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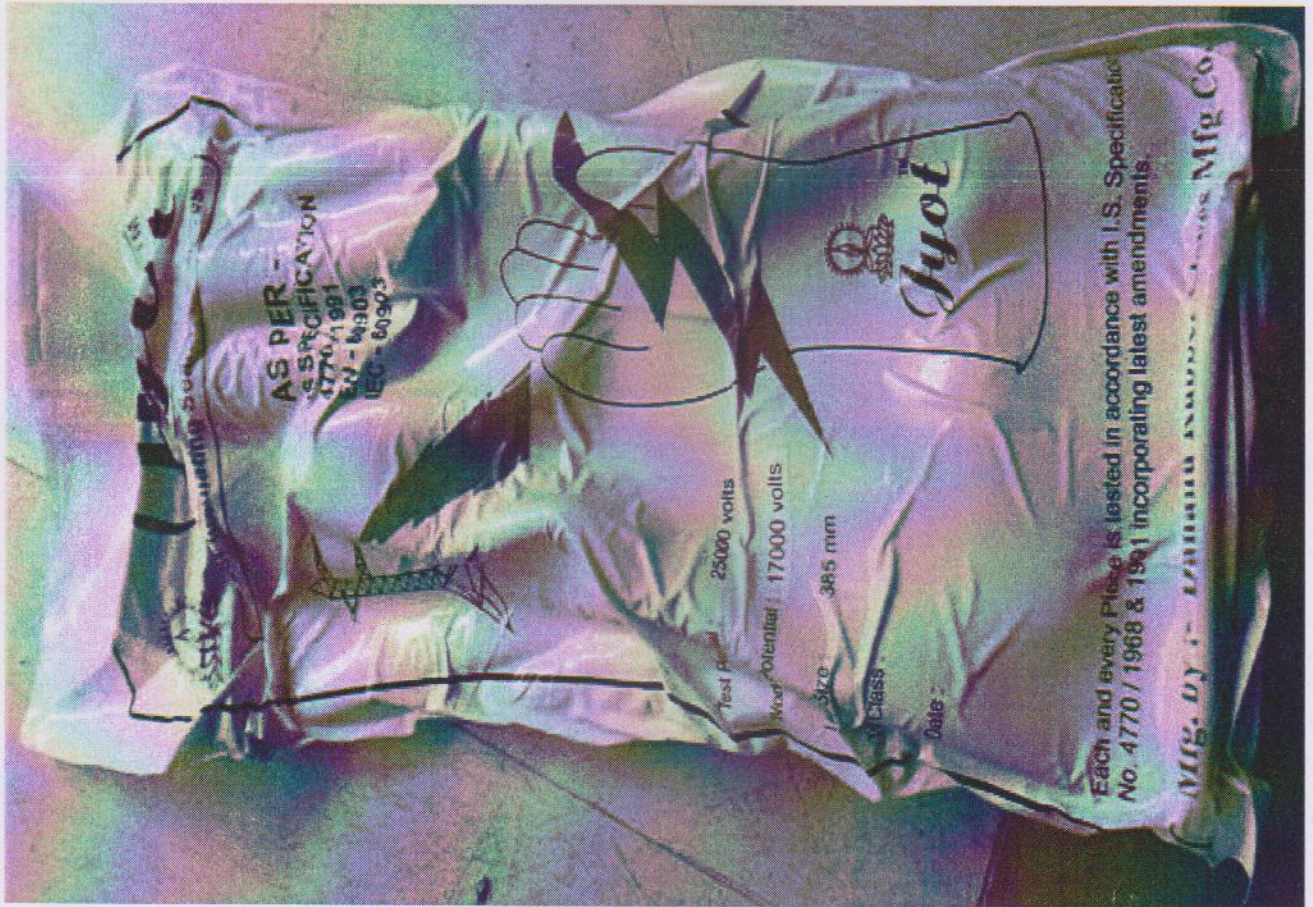
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REPORT NO. : RP-1516-032369	ANNEXURE	SHEET 1 of 1
DATE : 30-11-2015		



Photograph No : ERDA-00114692

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[Signature]
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