



Certificate No. : T-0071

# ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)  
ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

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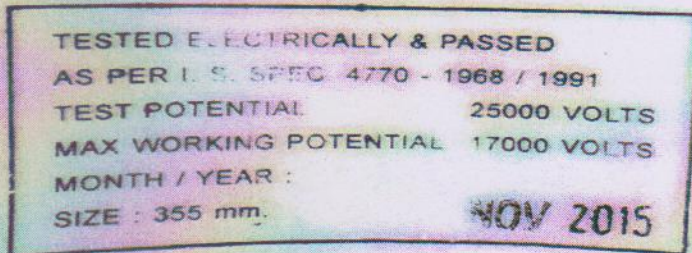
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## TEST REPORT

SHEET 1 of 4

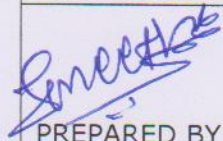
<b>NAME &amp; ADDRESS OF CUSTOMER</b> Dahanu Rubber Gloves Mfg. Co., Jawahar Marg, Village Sarawali, Dahanu Road (East) - 401 602. Dist. Thane, Maharashtra State.	<b>REPORT NO.</b> : RP-1516-032369 <b>DATE</b> : 30-11-2015
	<b>CUSTOMER REF. NO</b> : MKS/15-16/024 <b>DATED</b> : 06-11-2015
	<b>DATE OF SAMPLE RECEIPT</b> : 06-11-2015 <b>DATE OF TESTING</b> : 19-11-2015 to 30-11-2015

<b>SAMPLE DESCRIPTION</b> Rubber hand gloves for electrical purpose Type of gloves : 4 Size : 355 mm Brand : Jyot	<b>SAMPLE IDENTIFICATION</b> Printing :   ERDA Sample Code : ERDA-00114692
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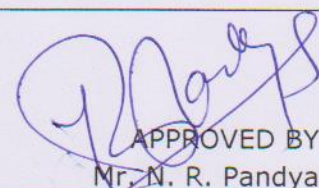
<b>TEST DETAILS</b> As per sheet 2 of 4	<b>TEST SPECIFICATION</b> IS: 4770 - 1991
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**REMARK :** The sample conforms to the requirements for all the mentioned tests.

**ENCLOSURE :** ANNEXURE - Photographs of sample (SHEET 1 of 1)

  
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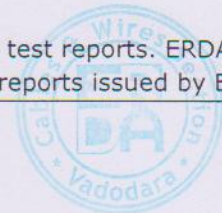
  
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APPROVED BY  
Mr. N. R. Pandya

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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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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 - Change in elongation at break, after accelerated ageing at $70 \pm 2^{\circ}\text{C}$ of 168 h, percent of original	Min. 90 Min. 80	94 94	Conforms Conforms
8	6.1.1.h	Puncture resistance, kN/m	Min. 18	51.8	Conforms
9	6.1.1.j	Moisture absorption, $\text{mg}/\text{cm}^2$	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  -Leakage current at working Voltage (17000 V rms), $\mu$ A  -Leakage current at proof Voltage (25000 V rms), mA	Sample shall withstand 25000 V (rms) for 1 minute  Max. 8000  Max. 16	Withstood  6200  14	Conforms  Conforms  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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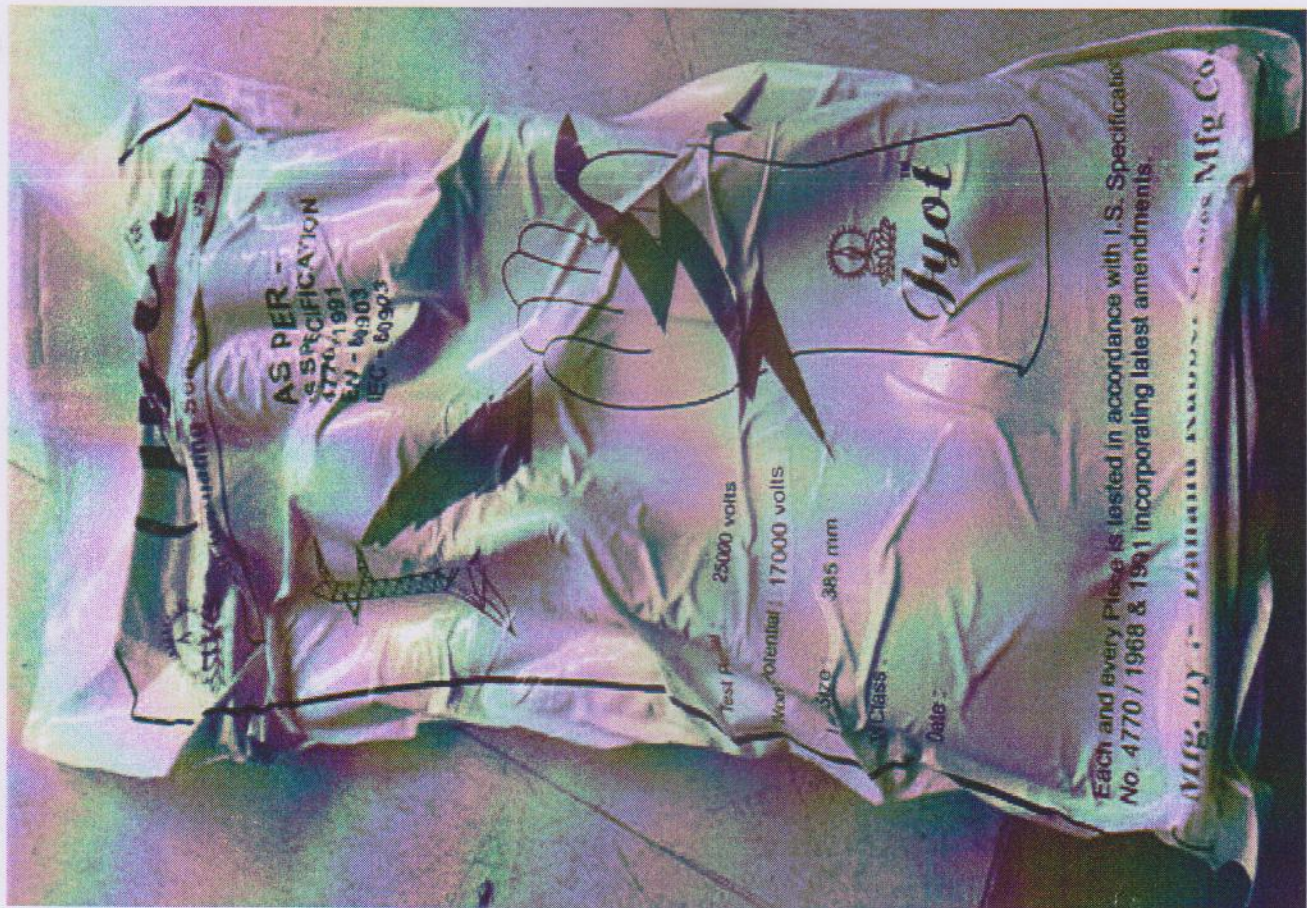


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**ANNEXURE**

SHEET 1 of 1

DATE : 30-11-2015



Photograph No : ERDA-00114692

*Smeeta*  
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TE 1779380