



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.

EPABX : +91 (0265) 2642942, 2642964, 2642377, 3043128 / 29 / 30 / 31 / 33

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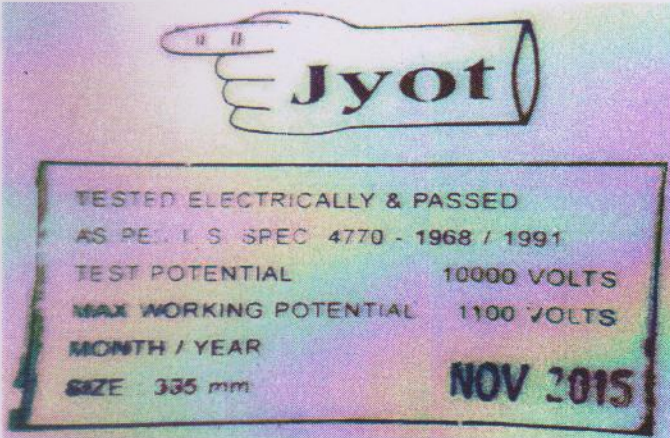
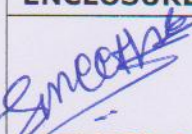

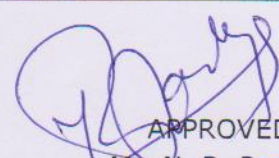
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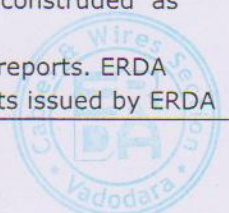


### TEST REPORT

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-1516-032367 <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 : 2 Size : 355 mm Brand : Jyot	<b>SAMPLE IDENTIFICATION</b> Printing :  ERDA Sample Code : ERDA-00114690	
<b>TEST DETAILS</b> As per sheet 2 of 4	<b>TEST SPECIFICATION</b> IS: 4770 - 1991	
<b>REMARK</b> : The sample conforms to the requirements for all the mentioned tests. <b>ENCLOSURE</b> : ANNEXURE - Photographs of sample (SHEET 1 of 1)		
PREPARED BY : 	CHECKED BY : 	APPROVED BY :  Mr. N. R. Pandya
<b>NOTE:</b> 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 arisen.		
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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

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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. 0.70 Max. 1.25	0.85 0.96	Conforms Conforms
		-at Non-crotch area	Min. 0.80 Max. 1.25	1.03 1.10	Conforms Conforms
2	6.1.1.b	Tensile strength, MPa	Min. 10	20.7	Conforms
3	6.1.1.c	Elongation at break, %	Min. 500	695	Conforms
4	6.1.1.d	Tension set, %	Max. 25	3.3	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	34.6	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	95	Conforms
		- Change in elongation at break, after accelerated ageing at $70 \pm 2^{\circ}\text{C}$ of 168 h, percent of original	Min. 80	93	Conforms
8	6.1.1.h	Puncture resistance, kN/m	Min. 18	50.5	Conforms
9	6.1.1.j	Moisture absorption, $\text{mg}/\text{cm}^2$	Max. 5	2.2	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 10000 V (rms) for 1 minute	Withstood	Conforms
		-Leakage current at working Voltage (1100 V rms), $\mu$ A	Max. 600	500	Conforms
		-Leakage current at proof Voltage (10000 V rms), mA	Max. 8	6.7	Conforms
11	6.1.1.p	Breakdown voltage test -Breakdown voltage (V), rms	Min. 12000	17200	Conforms

*Smeeta*

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*[Signature]*

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REPORT NO. : RP-1516-032367	<b>ANNEXURE</b>	SHEET 1 of 1
DATE : 30-11-2015		



Photograph No : ERDA-00114690

*Smeeta*

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*[Signature]*

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