



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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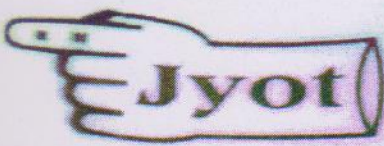
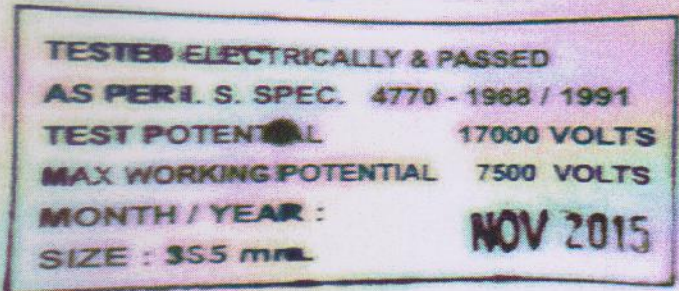
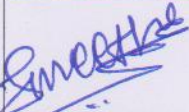
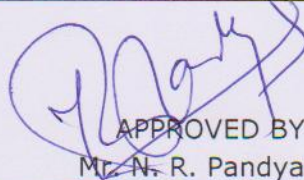
E-mail : erda@erda.org

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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, Maharastra State.	REPORT NO. : RP-1516-032368 DATE : 30-11-2015 CUSTOMER REF. NO : MKS/15-16/024 DATED : 06-11-2015 DATE OF SAMPLE RECEIPT : 06-11-2015 DATE OF TESTING : 19-11-2015 to 30-11-2015
SAMPLE DESCRIPTION Rubber hand gloves for electrical purpose Type of gloves : 3 Size : 355 mm Brand : Jyot	SAMPLE IDENTIFICATION Printing :   ERDA Sample Code : ERDA-00114691
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 arisen. Caution : ERDA is not responsible for the authenticity of photocopied or reproduced test reports. ERDA provides support to consumers for verification of the authenticity of test reports issued by ERDA	

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REPORT NO. : RP-1516-032368

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

PREPARED BY

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REPORT NO. : RP-1516-032368

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. 0.80 Max. 1.50	1.44 1.46	Conforms Conforms
		-at Non-crotch area	Min. 0.95 Max. 1.50	1.45 1.49	Conforms Conforms
2	6.1.1.b	Tensile strength, MPa	Min. 10	18.4	Conforms
3	6.1.1.c	Elongation at break, %	Min. 500	683	Conforms
4	6.1.1.d	Tension set, %	Max. 25	1.7	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	35.4	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	93 96	Conforms Conforms
8	6.1.1.h	Puncture resistance, kN/m	Min. 18	45.4	Conforms
9	6.1.1.j	Moisture absorption, mg/cm ²	Max. 5	2.5	Conforms

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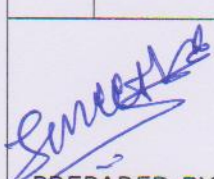
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REPORT NO. : RP-1516-032368				SHEET 4 of 4	
DATE : 30-11-2015					
Sr. No.	Cl. No.	Test	Requirement as per Specification	Obtained value	Remarks
10	6.1.1.n	Proof voltage and leakage current			
		-Proof voltage test	Sample shall withstand 17000 V (rms) for 1 minute	Withstood	Conforms
		-Leakage current at working Voltage (7500 V rms), μ A	Max. 4000	3700	Conforms
11	6.1.1.p	-Leakage current at proof Voltage (17000 V rms), mA	Max. 14	10.7	Conforms
		Breakdown voltage test			
		-Breakdown voltage (V), rms	Min. 20000	26400	Conforms
 PREPARED BY  Cables & Wires Section Vadodara  CHECKED BY					

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ANNEXURE

SHEET 1 of 1

DATE : 30-11-2015



Photograph No : ERDA-00114691

Sneetha
PREPARED BY



Sneetha
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TE 1779375