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REPORT NO. : DATE : CUSTOMER REF. NO :	RP-1415-023648 18-11-2014 MKS/14-15/009		
CUSTOMER REF. NO :			
	MKS/14-15/009		
DATED :	05-09-2014		
DATE OF SAMPLE	DATES OF TESTING		
RECEIPT			
08-09-2014	14-10-14 to 18-11-14		
SAMPLE IDEN	TIFICATION		
Printing:			
CLASS 00			
MAX. USE VOLTAGE			
ERDA Sample Code : ERDA	-00059163		
TEST SPECIFICATION			
EN 60903 : 2003			
	Printing: CLASS MAX. USE V 500 V. AC Jyo MADE IN ERDA Sample Code : ERDA		

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NOTE: 1. This report relates only to the particular sample received for testing in good condition at ERDA.

5. In case of any dispute, Vadodara will be the exclusive jurisdiction & shall be construded as

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4. Only the tests asked for by the customer have been carried out.

where the cause has arised.

TEST REPORT

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DATE : 18-11-2014

SHEET 2 of 6

TEST DETAILS:

Test Specification: EN 60903: 2003

Sr. No.	CI. No.	Test Particulars	
1	8.2	Visual inspection and measurements	
2	8.3	Mechanical tests	
3	8.4	Dielectric tests	
4	8.5	Ageing test	
5	8.6	Thermal tests	
6	8.7	Tests on gloves with special properties	

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Sr. No	CI. No.	Test	Requirement as per Specification	Obtained value	Remarks
1	8.2	Visual inspection and measurements			
	8.2.1	Shape	The gloves shall be provided with a cuff. Gloves may be	were manufactured with rolled	Conforms
			manufactured with or without cuff roll.	cuff	
	8.2.2	Dimensions *		AN TENTEST	
		Standard length of gloves, mm	280 ± 15	295	Conforms
	8.2.3	Thickness			
		Thickness of gloves, mm	Max. 0.50	0.49	Conforms
2	8.2.4	Workmanship and finish Mechanical tests	The gloves shall be free from pinholes, cracks, blisters, cuts, conductive embedded foreign matter, creases, pinch marks, voids, prominent ripples and prominent mould marks.	Found satisfactory	Conforms
	8.3.1	Tensile strength and elongation at break			
		Tensile strength, MPa	Min. 16	27.8	Conforms
		Elongation at break, %	Min. 600	673	Conforms
	8.3.2	Resistance to mechanical puncture			
	0.2.2	Puncture resistance, N/mm	Min. 18	33.8	Conforms
	8.3.3	Tension set, %	Max. 15	0.7	Conforms

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Sr. No	CI. No.	Test	Requirement as per Specification	Obtained value	Remarks
3	8.4 8.4.2.1	Dielectric tests AC proof test after conditioning for moisture absorption by total immersion in water for a period of 16 hours	Sample shall withstand 2.5 kV	Withstood	Conforms
		AC Proof test current at (2.5 kV rms), mA	Max. 12	3.7	Conforms
	8.4.2.2	AC withstand test Withstand test voltage (5 kV rms)	Sample shall withstand 5 kV (rms) for 3 minutes	Withstood	Conforms
4	8.5	Ageing test (ageing at 70 ± 2°C for 168 h) - Tensile strength at break after heat ageing, % of the unaged	Min. 80	97	Conforms
		- Tension set after heat ageing, %	Max. 15	1.1	Conforms
	•	- AC proof test without being subjected to the moisture conditioning after heat ageing	Sample shall withstand 2.5 kV (rms) for 3 minutes	Withstood	Conforms
5	8.6 8.6.1	Thermal tests Low temperature test at -25 ± 3°C for 1 hour	No tear, break or crack shall be visible on the gloves	or crack was	Conforms
		- AC proof test without being subjected to the moisture conditioning after low temperature test	Sample shall withstand 2.5 kV (rms) for 3 minutes	Withstood	Conforms

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Sr. No	CI. No.	Test	Requirement as per Specification	Obtained value	Remarks
6	8.6.2	Flame retardancy test Tests on gloves with special	The flame shall not have reached the reference line located on the test piece 55 mm from its edge, within 55 sec after withdrawal of the flame	The flame did not reach the reference line located on the test piece 55 mm from its edge, within 55 sec after withdrawal of the flame	Conforms
	8.7.1	properties Category A - Acid resistance (after conditioning at 23 ± 2 °C for 8 hrs - AC proof test without being subjected to the moisture conditioning after acid immersion	Sample shall withstand 2.5 kV (rms) for 3 minutes	Withstood	Conforms
		Tensile strength and elongation at break after acid immersion Change in tensile strength, Percent of the unaged Change in elongation at break, Percent of the unaged	Min. 75	82 81	Conforms
	8.7.2	Category H – Oil resistance (after conditioning at 70 ± 2 °C for 24 hrs)			
		- AC proof test without being subjected to the moisture conditioning after oil immersion	Sample shall withstand 2.5 kV (rms) for 3 minutes	Withstood	Conforms

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Sr. No	CI. No.	Test	Requirement as per Specification	Obtained value	Remarks
		Tensile strength and elongation at break after oil immersion - Change in tensile strength, Percent of the unaged - Change in elongation at break,	Min. 50	61	Conforms
		Percent of the unaged	Min. 50	65	Conforms
	8.7.3	Category Z – Ozone resistance (after conditioning at 40 ±2 °C and an ozone concentration of 1 mg/m³ at atmospheric pressure for 3 hours)	After conditioning the gloves shall exhibit no cracks under visual inspection		Conforms
		- AC proof test without being subjected to the moisture conditioning after ozone concentrated	Sample shall withstand 2.5 kV (rms) for 3 minutes	Withstood	Conforms
	8.7.4	Category C – Extremely low temperature resistance test at -40 ± 3°C for 24 hours	No tear, break or crack shall be visible on the gloves	or crack was	Conforms
		- AC proof test without being subjected to the moisture conditioning after extremely low temperature	Sample shall withstand 2.5 kV (rms) for 3 minutes	Withstood	Conforms

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