



IRMRA

INDIAN RUBBER MANUFACTURERS RESEARCH ASSOCIATION

Affiliated to Ministry of Commerce & Industry (Government of India)
(A NABL (ISO - 17025-2005) Accredited Laboratory)
E-mail : info@irmra.org • Website : www.irmra.org

EVALUATION REPORT

Report No : RPT / 2785 / 15-16	04 Mar 2016	Page 1 of 3
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--- CUSTOMER DETAILS ---

Customer Name & Address :	
M/s.Saga Elastomer Pvt Ltd Gala No. 1, Plot No. 6, Aliyali Village, Dewan&Sons Industrial Complex, Mumbai (Tal- Palghar)	
Contact Person :	
Telephone No :	28458738
Customer Letter Ref No with Date :	Dated 17 Feb 2016
Date of Receipt :	17 Feb 2016
Any Other Information like witness / third party	

--- SAMPLE DETAILS ---

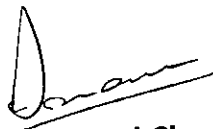
Sample Code / Description	Rubber Flap
Product Specification	AS-306:80:May-2013

--- REPORT DETAILS ---

Description of Report	Page Nos
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Prepared and Checked By




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Technical Report/ M & R

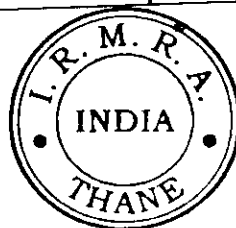
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RPT/2785/15-16- M & R

Sample : Rubber Flap, Specn. AS:306:80:MAY 2013

Test(Unit) (Condition)	Test Method/ Clause	Unit	Specified Value	Observed Value
Visual Observation	3.2	--	Flap shall have smooth finishing, free from manufacturing defects & shall be Compression moulded	Passes the test
Total width	3.3	mm	176 Min	182
Thickness at centre (or peripheral thickness)	3.3	mm	6.5 Min	6.6
Thickness at centre of ridge	3.3	mm	6.0 Min	6.4
Change in thickness from edge to nearest ridge.	3.3	mm	Shall be uniform and shall not have variation more than ± 0.5 mm between two sides.	Passes the test
Thickness variation around the periphery	3.3	mm	Shall be within ± 1 mm	Passes the test
Thickness from centre of the periphery to nearest ridge.	3.3	---	Shall be uniform at both sides.	Passes the test
Circumferential length	3.3	---	To fit the rim dimension.	Passes the test
Thickness at ends	3.3	mm	0.8 to 2.2	1.4
Peripheral width	3.3	mm	75 \pm 5	75
Distance from centre of ridge to edge	3.3	mm	50 \pm 5	54
Valve hole position	3.3.1	--	At the centre of periphery	At the centre of periphery
Valve hole diameter	3.3.1	mm	10-16	15
Valve hole reinforcement area	3.3.1	mm	The valve hole shall have minimum 70LX70WX12Tmm reinforced surrounded area	72X81X12
Mass of the flap	3.5	Kg	2 \pm 0.200	1.920
Marking	4.1	--	Flaps shall bear size, designation, manufacturer's trade name and trade mark.	10.00/20
Tensile Strength (Before Ageing)	IS 3400 (I)	Kg/cm ²	100 Min	153
Elongation at break (Before Ageing)	IS 3400 (I)	%	450 Min	700
Hardness (Before Ageing)	IS 3400 (XXIII)	Shore A	50 to 60	56
Change In Tensile Strength (After ageing @ 100°C/168 hrs)	IS 3400 (I & IV)	%	-5 Max	+1
Change in Elongation at break (After ageing @ 100°C/168 hrs.)	IS 3400 (I & IV)	%	-30 Max	-19
Change in Hardness (After ageing @ 100°C/168 hrs.)	IS 3400 (XXIII & IV)	Points	0 to 5 Max	+4
Ozone Resistance (100pphm/40°C/20%Elongation/100 hrs.)	IS 3400 (XX)	----	No cracks	No cracks observed upto 100 hrs.

Prepared and checked by



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TECHNICAL REPORT / C & I

RPT / 2785 / 15-16 - C & I

04 MAR 2016

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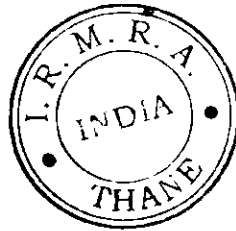
Sample : Rubber Flap Specn. AS-306:80:May-2013

Test (Condition)	Method	Unit	Specified Value	Observed Value
Ash Content	ASTM E-1131	% by wt.	5Max	3.4
Total Rubber Hydrocarbon	ASTM E-1131	% by wt.	25Min	33.3

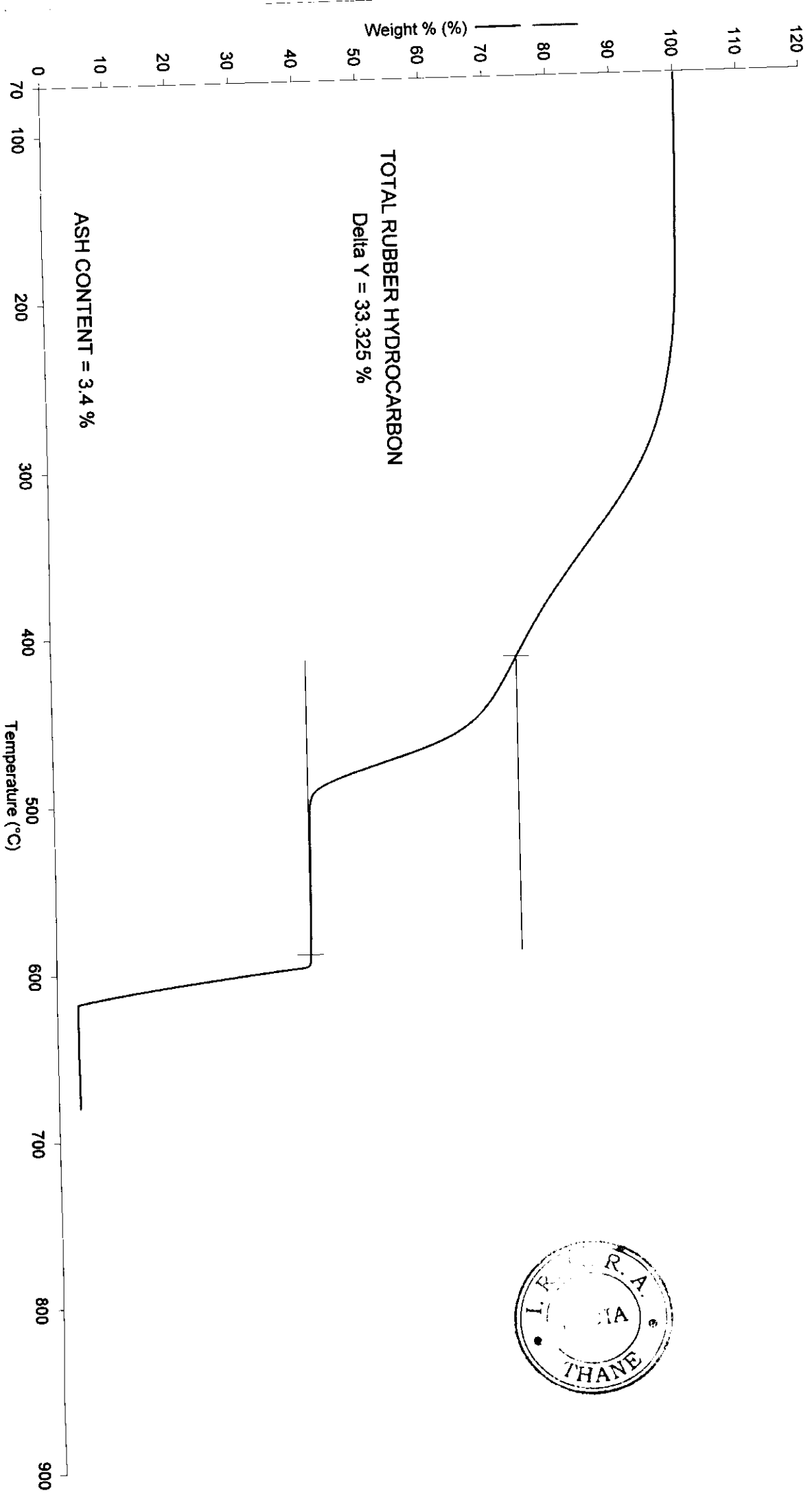
Encl.: TGA graph.

Prepared and Checked By

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Filename: D:\2016\FEBRUARY\JOB-2785.rtd
Operator ID:
Sample ID: JOB-2785
Sample Weight: 10.817 mg
Comment:



1) Heat from 70.00°C to 900.00°C at 10.00°C/min
Mathew

2/29/2016 11:52:09 AM