



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

DEVELOPMENTAL EVALUATION REPORT

Report No : RPT / 2750 / 17-18	24 Jan 2018	Page 1of3
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--- CUSTOMER DETAILS ---

Customer Name & Address :	
M/s.Sunflex Recycling Pvt Ltd 274/4, Shital Estate,Opp. Gujarat High Court, S.G.Highway,Sola, Ahmedabad, Gujarat, INDIA 380060	
Contact Person :	
Telephone No :	27662051
Customer Letter Ref No with Date :	Dated 16 Jan 2018
Date of Receipt :	16 Jan 2018
Any Other Information like witness / third party	

--- SAMPLE DETAILS ---

Sample Code / Description	EPDM Rubber slab
Product Specification	-NIL-
Sample Code / Description	EPDM Rubber Granules
Product Specification	-NIL-

--- REPORT DETAILS ---

Description of Report	Page Nos
RPT / 2750 / 17-18 - M & R -	2of 3
RPT / 2750 / 17-18 - C & I -	3of 3

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Prepared and Checked By



भारतीय रबर निर्माता अनुसंधान संघ
Indian Rubber Manufacturers Research Association

एन.ए.फोंडके (वरिष्ठ अधिकारी - ग्राहक सेवा)
N. A. Phondke (Senior Officer-Customer Service)

Plot No. 254 / 1B, Road No. 16V, Wagle Industrial Estate, Thane (W) : 400 604.

Ph. : 022-2581 1348, 2580 3753, 2583 4650 / 51 / 52, 6787 3200-219 (20 Lines), 6787 3221 / 22 / 27 / 39 / 42 / 44-48 (5 Lines) Telefax : 022-2582 3910



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Certificate No.: T1153/T1154

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TECHNICAL REPORT / M & R

RPT / 2750 / 17-18 - M & R

24 JAN 2018

Page 2 of 3

Sample : EPDM Rubber slab Specn.

Test (Condition)	Method	Unit	Specified Value	Observed Value
Tensile Strength (Before Ageing.)	ASTM D-412 Type C	kg/cm ²	-	33
Elongation at Break (Before Ageing.)	ASTM D-412 Type C	%	-	450
Hardness (Before Ageing.)	ASTM D-2240	Shore A	-	72

Prepared and Checked By

भारतीय रबर निर्माता अनुसंधान संघ
Indian Rubber Manufacturers Research Association

Authorized Signatory अधिकारी
डॉ. भरत कापगते (वरिष्ठ वैज्ञानिक अधिकारी)
Dr. Bharat Kapgate (Senior Scientific Officer)





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TECHNICAL REPORT / C & I

RPT / 2750 / 17-18 - C & I

24 JAN 2018

Page 3 of 3

Sample : EPDM Rubber slab Specn.

Test (Condition)	Method	Unit	Specified Value	Observed Value
Polymer Identification (By FT-IR)	ISO:4650	--	-	Ethylene Propylene Diene Rubber [EPDM]
Low Boiling Materials (By TGA)	ASTM E-1131	% by Wt	-	4.5
Polymer Content (By TGA)	ASTM E-1131	% by wt	-	27.4
Ash Content (By TGA)	ASTM E-1131	% by wt	-	68.1
Density	ASTM D-297	gm/cc	-	1.68

Sample : EPDM Rubber Granules Specn.

Test (Condition)	Method	Unit	Specified Value	Observed Value
Visual Observation	Customer Procedure	-	-	Red coloured granules having non-uniform dimensions.

Encl.: FTIR & TGA graphs.

Prepared and Checked By

भारतीय रबर निर्माता अनुसंधान संघ
Indian Rubber Manufacturers Research Association

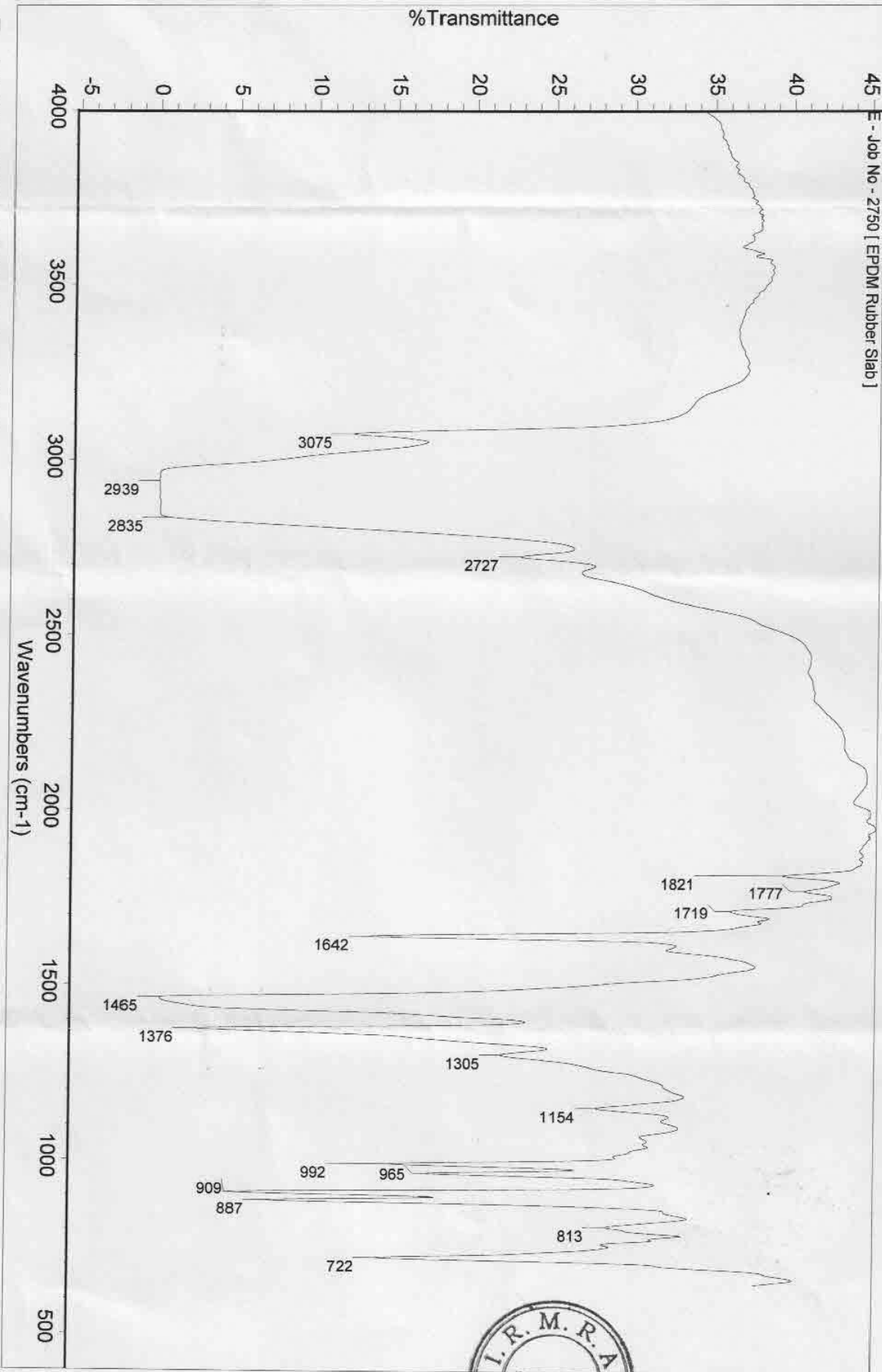
Authorized Signatory
मनोहर नवाजे (वरिष्ठ वैज्ञानिक अधिकारी)
Manohar Naware (Senior Scientific Officer)



FTIR GRAPH

IRMRA

DATE: 22-01-2018



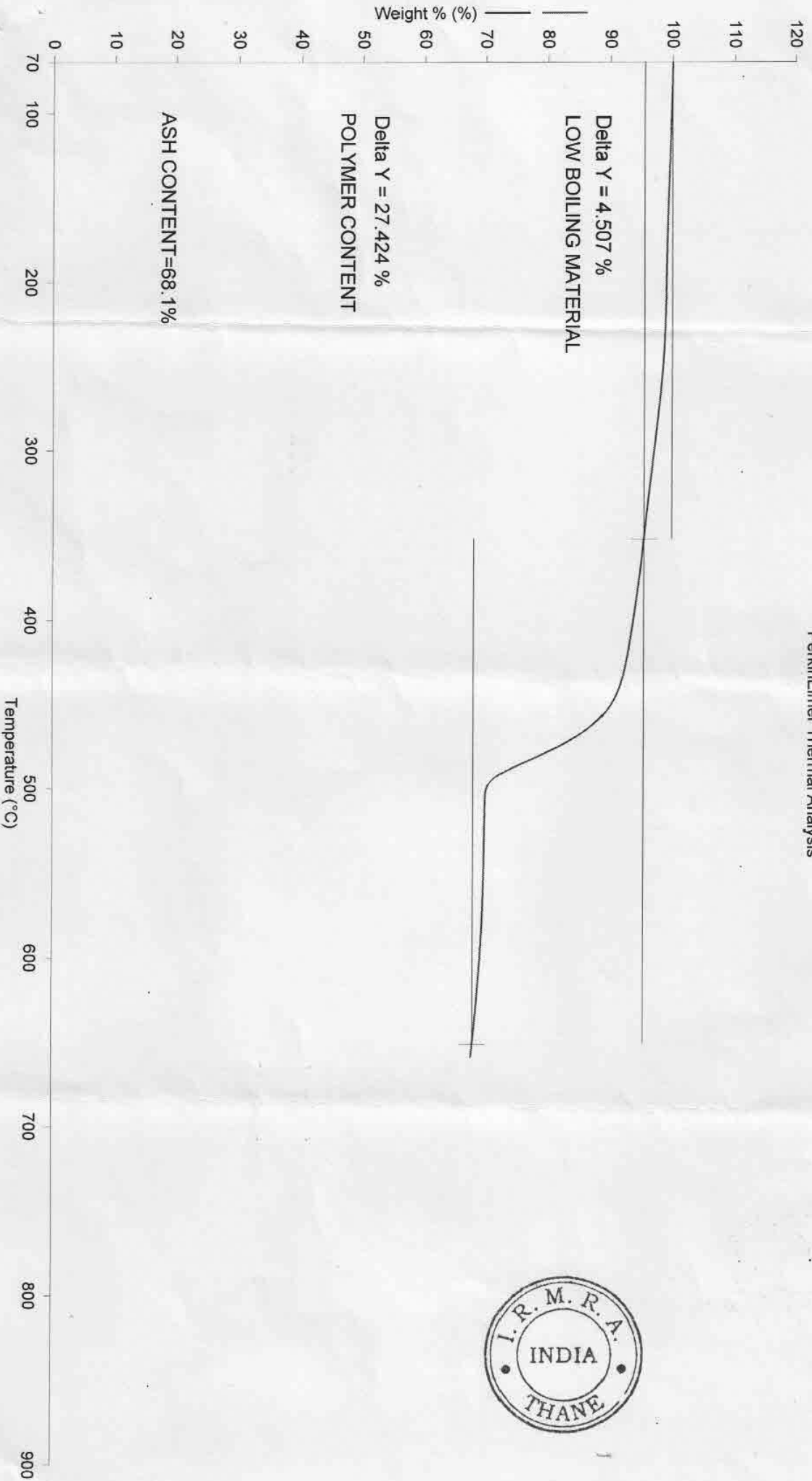
E - Job No - 2750 [EPDM Rubber Slab]

Ethylene Propylene Diene Rubber (EPDM)



Filename: D:\2018\JANUARY\JOB-2750.16d
Operator ID: JOB-2750
Sample ID: 12.771 mg
Sample Weight: 12.771 mg
Comment:

PerkinElmer Thermal Analysis



1) Heat from 70.00°C to 900.00°C at 20.00°C/min



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