



# CONTENTS

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- Team At Polytec
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## COMPANY INTRODUCTION

**Polytec** is a company established in 1987 and started with dealing and manufacturing Plastic Packaging Products, Extrusion Products and PU Foam Products. Polytec has a vast experience in the field of packaging and facilities to match the best in the industry.

Expanded Polyethylene Foam is used in a wide range of markets and applications.

- We invite you to have a look at presentation to get an overview of the interesting world of flexible packaging

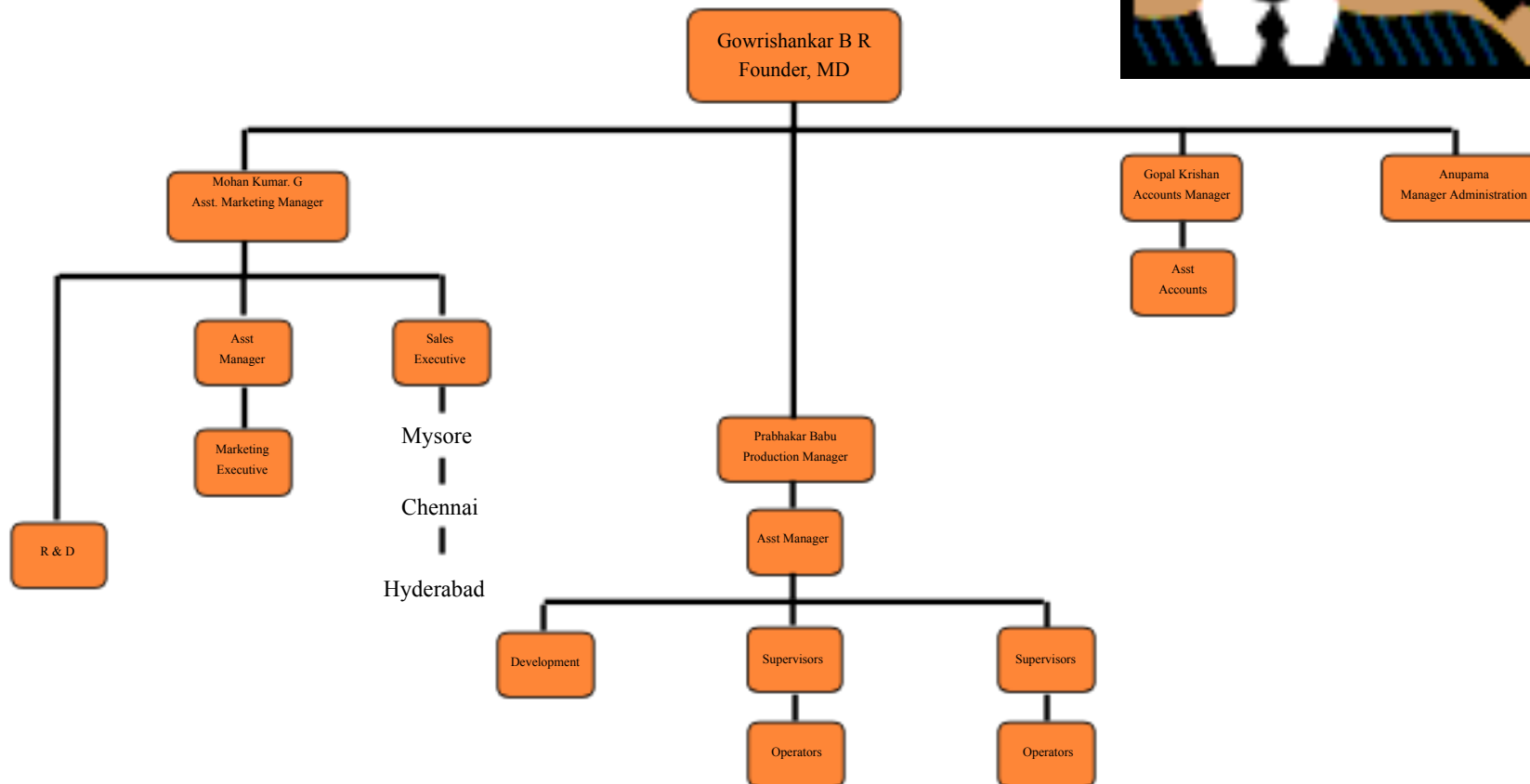
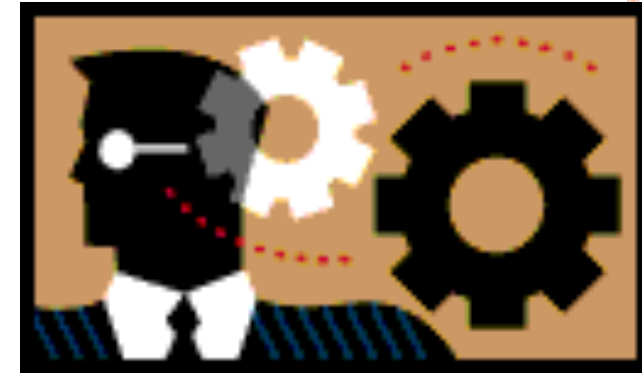
## COMPANY INTRODUCTION



**Polytec Packins is a well known group in the field of insulation and packing with products for**

- Acoustic
- Thermal
- Shock Protection.
- Expanded Polyethylene Foam (Manufacturing and Processing)
- Polyurethane Foam (Processing)
- Polyester sheets, polypropelene sheets

# TEAM AT POLYTEC

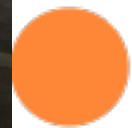


## INFRASTRUCTURE

The facility is spread over a 40,000 sq.ft and located in south Bangalore center to Electronics and IT Industries .

- Equipments for Moulding and Densifying of foams and lamination of materials.
- Special equipment for all kinds of film lamination ( Polyurethane, Polyethylene, Pvc, etc)
- Processing units for flame and dry-adhesive lamination.
- Tooling, Die cutting, Splitting and Sampling.
- Products produced at Unipack is finished by various special processes at Polytec
- Computer & Laptop Packaging.

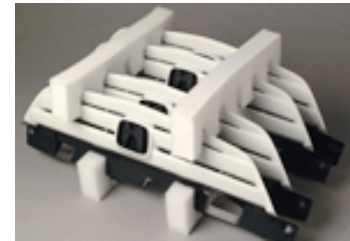










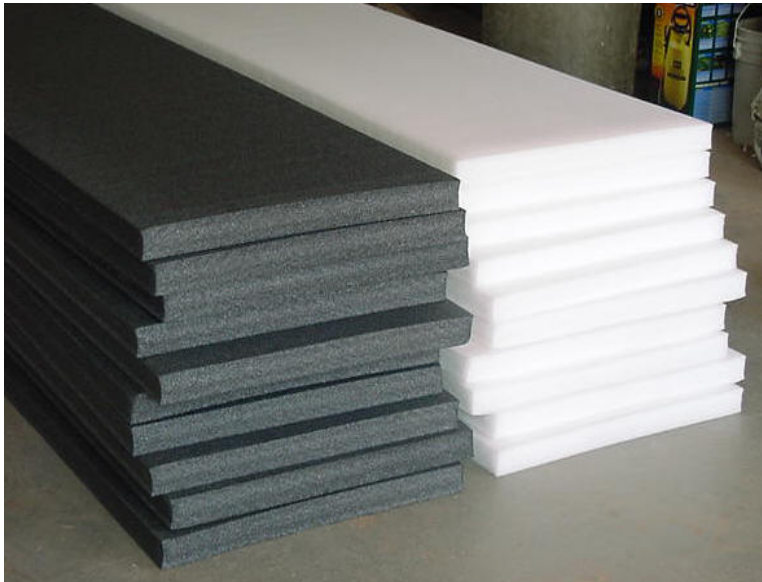


## OUR PRODUCTS

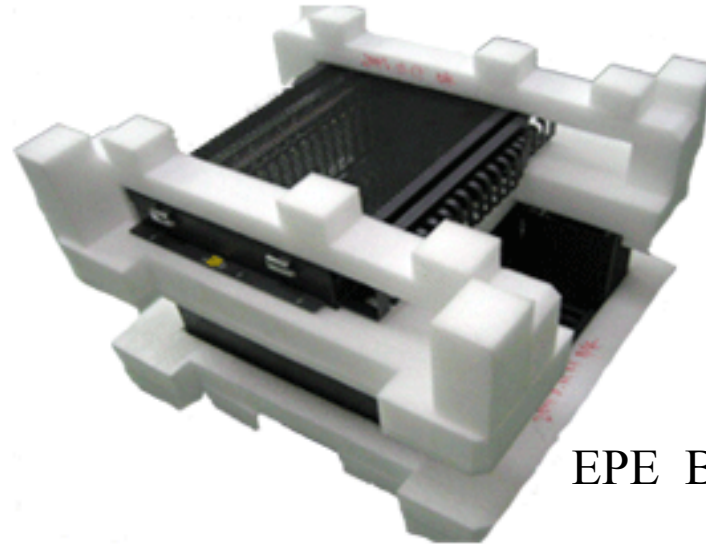




EPE ROLLS



EPE SHEETS



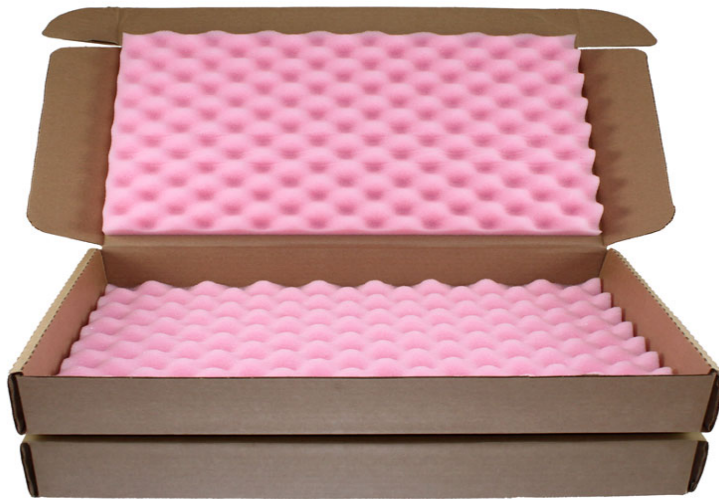
EPE BUFFERS



EPE ANTISTATIC BUFFERS







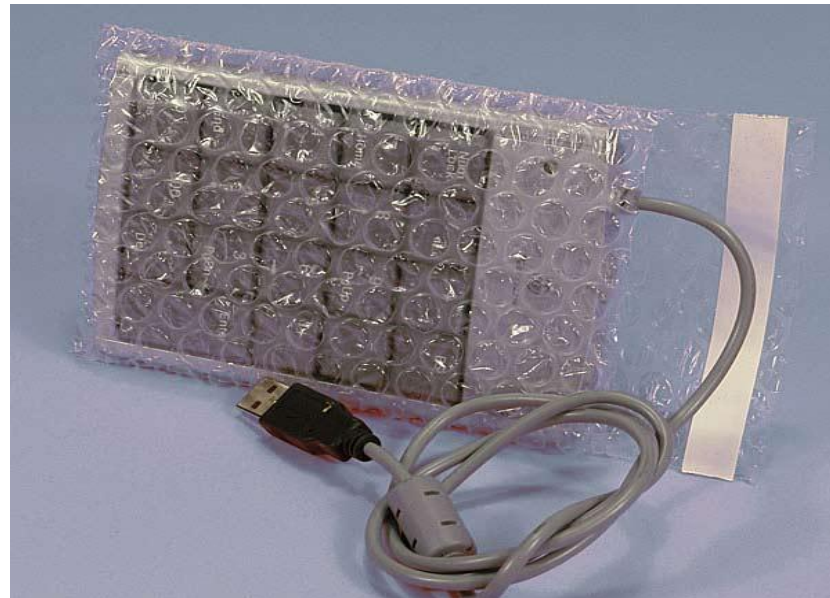
PU ANTISTATIC FOAM



AIR BUBBLE ROLLS & POUCHES



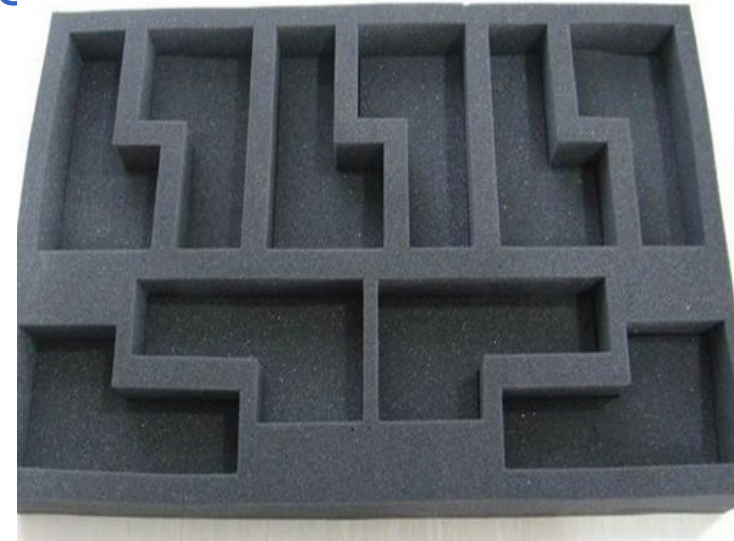
PU ANTISTATIC FOAM



## OUR PRODUCTS



EPE TUBES



XLPE - CROSSLINK



PP CORRUGATED BOX



## INFRASTRUCTURE – TESTING FACILITIES

We do the following tests in our, in house facility.

- 1. Density testing
- 2. Compression testing
- 3. Tensile testing
- 4. Surface restivity
- 5. Adhesive testing
- 6. Drop test of packages based on customer request.
- 7. Design of packing with outer cartons.

We follow IS and ASTM depending on customer specs.

For specific tests like RoHS and chemical or technical specific test we get outside support from agencies such as SGS. & TUV.

# ROHS CERTIFICATES



**SGS**

## TEST REPORT

Report No. : GR:GL:1210015951 DATE : 07/06/2010

JOE No. : 1021804956

Report Control No.:1215017481

SAMPLE NOT DRAWN BY LABORATORY  
SAMPLE SUBMITTED AND IDENTIFIED BY CUSTOMER AS : EPE FOAM  
CUSTOMER NAME POLYTEC PACKINS (I) PVT. LTD.  
ADDRESS

CITY BANGALORE  
COUNTRY INDIA  
SAMPLING METHOD N.A.  
SAMPLE DESCRIPTION EPE Foam

COLOUR WHITE  
ARTICLE/REF. NO. EPE/001  
BUYER NAME POLYTEC PACKING  
SAMPLE RECD ON 21/05/2010  
TEST START DATE 21/05/2010  
TEST END DATE 27/05/2010

TESTS	PROTOCOL	RESULT
CADMIUM	IEC 62321, ED 1(III/54/CDV)/ EPA3050B/ EPA3051A/ EP	ND(DL 2mg/kg)
LEAD	IEC 62321, ED 1(III/54/CDV)/ EPA3050B/ EPA3051A/ EP	15.27mg/kg (DL 2mg/kg)
MERCURY	IEC 62321, ED 1(III/54/CDV)/ EPA3051A/ EPA3052	ND(DL 2mg/kg)
HEXAVALENT CHROMIUM (Cr VI)	IEC 62321, ED 1(III/54/CDV)/ EPA3060A/ EPA7196A	ND(DL 2mg/kg)
POLYBROMINATED DIPHENYLETHERS (PBDEs)	IEC 62321, ED 1(III/54/CDV)/ EPA3540C	
Monobromodiphenyl ether		ND(DL 5mg/kg)
Dibromodiphenyl ether		ND(DL 5mg/kg)
Tribromodiphenyl ether		ND(DL 5mg/kg)
Tetrabromodiphenyl ether		ND(DL 5mg/kg)
Pentabromodiphenyl ether		ND(DL 5mg/kg)
Hexabromodiphenyl ether		ND(DL 5mg/kg)

This Report cancels and replaces Report Control No. 1215016348 Dated 27/05/2010

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WARNING: The sample(s) to which the findings recorded herein (the "Findings") relate was(were) drawn and / or provided by the Client or by a third party acting at the client's direction. The Findings constitute no warranty of the sample's representativeness of any goods and strictly relate to the sample(s). The Company accepts no liability with regard to the origin or source from which the sample(s) is/are said to be extracted.

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**SGS**

## TEST REPORT

Report No. : GR:GL:1210015951 DATE : 07/06/2010

JOE No. : 1021804956

Report Control No.:1215017481

TESTS	PROTOCOL	RESULT
Heptabromodiphenyl ether		ND(DL 5mg/kg)
Octabromodiphenyl ether		ND(DL 5mg/kg)
Nonabromodiphenyl ether		ND(DL 5mg/kg)
Decabromodiphenyl ether		ND(DL 5mg/kg)
POLYBROMINATED BIPHENYLS (PBBs)	IEC 62321, ED 1(III/54/CDV)/ EPA3540C	
Monobromobiphenyl		ND(DL 5mg/kg)
Dibromobiphenyl		ND(DL 5mg/kg)
Tribromobiphenyl		ND(DL 5mg/kg)
Tetrabromobiphenyl		ND(DL 5mg/kg)
Pentabromobiphenyl		ND(DL 5mg/kg)
Hexabromobiphenyl		ND(DL 5mg/kg)
Heptabromobiphenyl		ND(DL 5mg/kg)
Octabromobiphenyl		ND(DL 5mg/kg)
Nonabromobiphenyl		ND(DL 5mg/kg)
Decabromobiphenyl		ND(DL 5mg/kg)

Remark: - ND-Not Detected, DL-Detection Limit

\*\*\*\* End of Report \*\*\*\*

per pro SGS India Private Ltd.

Authorised Signatory

Dr. ASISH CHAKRABORTY  
Manager-General Laboratory

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# Certificate

Standard **ISO 9001:2008**

Certificate Registr. No. **01 100 058713**

Certificate Holder: **Polytec Packins (India) Pvt. Ltd.**  
Building 'A' # 14, KIADB Industrial Area,  
Kumbalagodu 1st Phase, Mysore Road,  
Bengaluru - 560 074, India.

Scope: **Manufacture of Packaging & Insulation Products  
for Industrial Applications.**

Proof has been furnished by means of an audit that the  
requirements of ISO 9001:2008 are met.

The due date for all future audits is 06 - 10 (dd.mm).

Validity: The certificate is valid from 2016-03-01 until 2017-02-01.



2016-03-01

*Handwritten signature*

TÜV Rheinland Cert GmbH  
Am Grauen Stein · 51105 Köln

The validity of this certificate is subject to timely completion of surveillance audits as agreed in the Contract.  
The validity of the Certificate can be verified under [www.tuv.com](http://www.tuv.com) with the Identification No. 0100040713

CER: 072851KA1500PT0200403

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Precisely Right.

## ISO CERTIFICATE



## TECHNICAL SPECIFICATION

PROPERTY	UNITS	VALUES
DENSITY	KG / M3	25-45
TENSILE STRENGTH	KG / CM2	MD2.5-5, TD1.8-3.5
ELONGATION	%	MD80-100, TD42-70
TEAR STRENGTH	KG / CM2	4-4.5
COMPRESSION STRENGTH (at 10% deformation)	KG / CM2	0.05-0.2
COMPRESSION SET	%	<10
WORKING TEMP	C	80
WATER ABSORPTION (at 27 C-96hrs)	% BY VOLUME	0.01-0.50
SURFACE RESISTIVELY	OHMS / SQ	10 <sup>9</sup>
BUOYANCE	KG / M3	915-940
THERMAL CONDUCTIVITY (at 27 mean temp)	K.CAL / M.HR. C	0.020-0.028
FIRE RETARDENCY**	UL 94 HF-1/2 FMVSS -302	yes
CHEMICAL/OIL RESISTANCE		excellent
<b>Special Requirement:</b>		
Antistatic Properties : 10 <sup>11</sup> to 10 <sup>10</sup> (Pink Colour)		



## APPLICATIONS

State of the art equipment deployed for moulding and densifying of foams and laminated materials.

High end processing units for flame and dry – adhesive lamination.

The best in class equipment for all kinds of lamination (Polyethylene, Polyurethane, PVC etc.)



## PRODUCTION CAPABILITY

Processes include contour cutting, Absorbers, broadband absorbers, high quality recycled products for sound insulation, thermal insulation, shock absorption, etc.

Product produced at Unipack is finished by various special processes at Polytec

Unipack Polyfoams is a wholly owned production house of Polytec & foams produced at Unipack is of high quality and standard range

Polytec also carries out development work based on Customers requirement and processes.

## PRODUCTION CAPABILITY

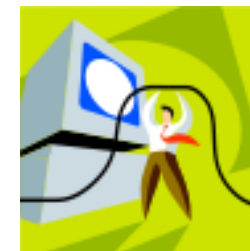
Products can be further processed at Polytec to customer or product specific requirements, like die cutting, laminating, embossing, moulding, densifying etc.

Facility installed is equipped to do all the processes in-house, like slicing, die cutting, embossing, laminating, Adhesive coating, etc in different stages & with different materials.

The processes are systemized to produce world class quality products, to suit all applications and needs are produced with ISO [9001 – 2008](#) Systems for Quality & Traceability.

## CLIENT LIST

- > DELL
- > Hewlett Packard
- > Lenovo India Pvt. Ltd.,
- > Acer India Pvt. Ltd.,
- > Huawei Telecommunications
- > Larsen and Toubro, Electronics & Medical
- > Incap CMS Pvt. Ltd.,
- > BHEL, Electrical & Defence Electronics
- > Honda Motorcycle & Scooter India Pvt. Ltd.,
- > Igarashi Motors India Ltd.,
- > Flextronics Technologies India Pvt. Ltd.,
- > Samsung India Electronics Pvt. Ltd.,
- > SMR Automotive Systems India Ltd.,
- > Wildcraft India Pvt. Ltd.,
- > Nilkamal Limited & Other Mattress Units





## FUTURE PLANS

There are plans to improve the production process to cut manufacturing expenses.

- Decentralization of production set up to cut costs.
- Automation of some processes to improve productivity and quality consistency.
- Development of new environmentally friendly, Better RoHS

### COMPLIANT materials.

- Improve recyclable systems to ensure efficient collection and usage of our materials.

Customer coordination to work for more efficient recycle responsibilities.

- Value addition for products to ensure cost efficiencies
- Expansion of our plant capacities for new types of packing materials.

CONTACT US @



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Mysore Road, Bangalore - 560074. INDIA

Tel. : 91 - 80 - 28437576 / 28437578

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**Thank You**

