

# *foam techniques Ltd*

Sealing Solutions



Problem Sealed

Converters of Polyurethane Foam, Expanded Polyethylene, Rubber and Allied Products

# Welcome

Welcome to "SEALING SOLUTIONS" our latest raw materials brochure from FOAM TECHNIQUES LTD, covering our closed cell and semi-closed range of flexible foams.

With over 25years experience, we offer the very best solutions in order to achieve optimum performance in Sealing, Insulation and Protection. FOAM TECHNIQUES proudly offer the most comprehensive product range and advice available.

Our performance Sealing Foam Range, offers the best choice possible to ensure problem resolved at a competitive price.

***Our full range of sealing foam products serve a wide spectrum of industry from:***

- ❖ Medical
- ❖ Power
- ❖ Air conditioning
- ❖ Automotive
- ❖ Construction
- ❖ Electrical
- ❖ Petro Chemical
- ❖ Aerospace
- ❖ Rail, Truck and Bus
- ❖ White & Yellow Goods
- ❖ Communications
- ❖ Aquatic/Marine
- ❖ Offshore
- ❖ Defence



With factories based in two major economies - United Kingdom & India - both factories offer standard and bespoke foam products in either, sheet, roll or cut shape format.

Technical advice is always available; please feel free to contact our sales engineers for any help or advice that you may require.

Code	Type	Detail
FT-18P	Closed Cell Expanded Polyethylene	Density: 18kg/m <sup>3</sup> Nominal Tensile Strength: 300kPa Elongation: 125% Temperature: -70°C to +100°C Flammability: FMVSS 302- PASS (above 14mm thickness) Colours: Black/White (Others on request)

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Code	Type	Detail
FT-24P	Closed Cell Expanded Polyethylene	Density: 24kg/m <sup>3</sup> Nominal Tensile Strength: 320kPa Elongation: 130% Temperature: -70°C to +100°C Flammability: FMVSS 302- PASS (above 12mm thickness) Colours: Black/White (Others on request)

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Code	Type	Detail
FT-26P	Closed Cell Expanded Polyethylene	Density: 25kg/m <sup>3</sup> Nominal Tensile Strength: 270kPa Elongation: 120% Temperature: -80°C to +80°C Flammability: FMVSS 302- PASS Colours: Anthracite/White

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Code	Type	Detail
FT-30P	Closed Cell Expanded Polyethylene	Density: 33kg/m <sup>3</sup> Nominal Tensile Strength: 430kPa Elongation: 130% Temperature: -80°C to +100°C Flammability: FMVSS 302- PASS Colours: Anthracite/White

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Code	Type	Detail
FT-30HDP	Closed Cell Expanded Polyethylene	Density: 30kg/m <sup>3</sup> Nominal Tensile Strength: 1,010kPa Elongation: 70% Temperature: -70°C to +120°C Flammability: FMVSS 302- PASS (above 8mm thickness) Colours: Black/White

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Code	Type	Detail
FT-33P	Closed Cell Expanded Polyethylene	Density: 33kg/m <sup>3</sup> Nominal Tensile Strength: 440kPa Elongation: 153% Temperature: -70°C to +100°C Flammability: FMVSS 302- PASS (above 7mm thickness) Colours: Black/White (Others on request)

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Code	Type	Detail
FT-35P	Closed Cell Expanded Polyethylene	Density: 27kg/m <sup>3</sup> Nominal Tensile Strength: 0.21 n/mm <sup>2</sup> Elongation: 65% Temperature: -30°C to +80°C* Flammability: N/A Colours: Black/White/Pink

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Code	Type	Detail
FT-40P	Closed Cell Expanded Polyethylene	Density: 45kg/m <sup>3</sup> Nominal Tensile Strength: 560kPa Elongation: 175% Temperature: -70°C to +105°C Flammability: FMVSS 302- PASS (above 5mm thickness) Colours: Black/White (Others on request)

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Code	Type	Detail
FT-100P	Closed Cell Expanded Polyethylene	Density: 330kg/m <sup>3</sup> Nominal Tensile Strength: 2,100kPa Elongation: 110% Temperature: -70°C to +90°C Flammability: FMVSS 302- PASS Colours: Anthracite

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Code	Type	Detail
FT-30FRS	Semi-Closed Cell Polyester	Density: 30kg/m <sup>3</sup> Nominal Tensile Strength: 200kPa Elongation: 130% Temperature: -30°C to +110°C Flammability: FMVSS 302- PASS UL-94HF1 Colours: Anthracite

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Code	Type	Detail
FT-40FR	Semi-Closed Cell Polyester	Density: 38kg/m <sup>3</sup> Nominal Tensile Strength: 200kPa Elongation: 208% Temperature: -30°C to +110°C Flammability: FMVSS 302- PASS Colours: Anthracite

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Code	Type	Detail
FT-50FR	Semi-Closed Cell Polyester	Density: 49kg/m <sup>3</sup> Nominal Tensile Strength: 180kPa Elongation: 170% Temperature: -30°C to +110°C Flammability: FMVSS 302- PASS Colours: Anthracite

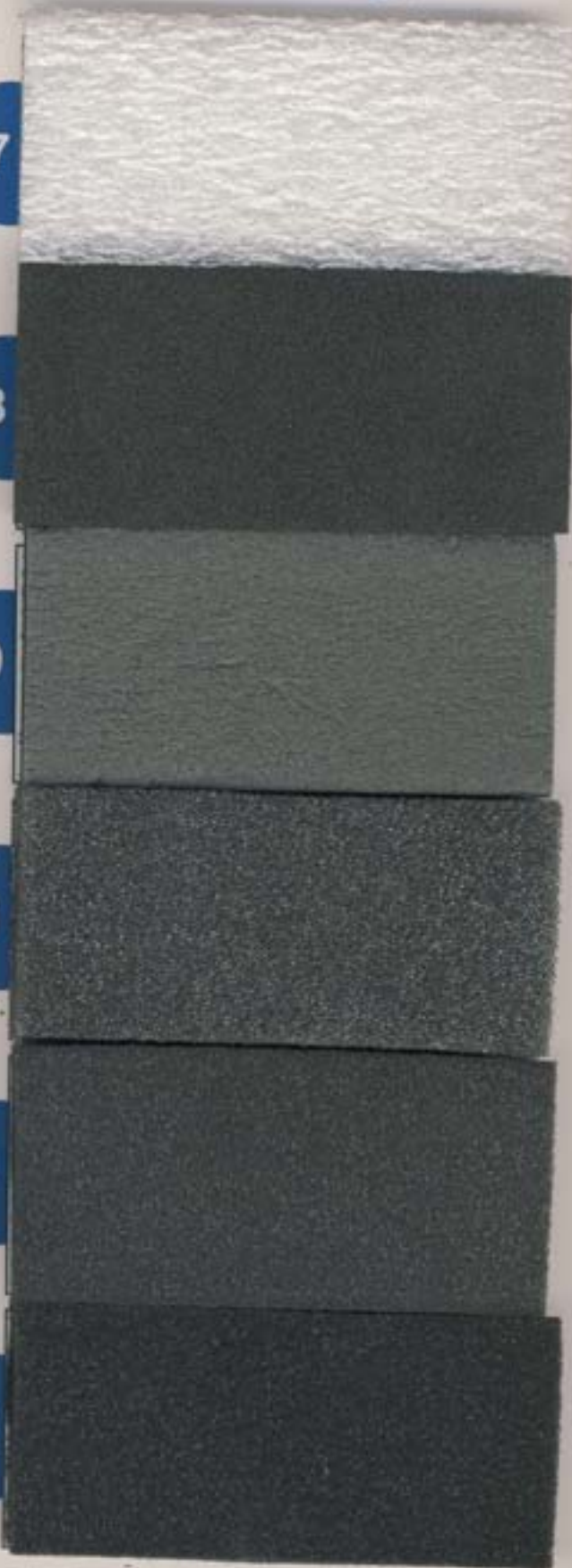
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\*Values shown are indicative and do not constitute a specification, the final suitability of our product for any intended use and application is the responsibility of the end user.

# Cushioning, Sealing, Gasketing,



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# Anti-Rattle, Anti-Vibration, Insulation



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Code	Type	Detail
FT-160N	Closed Cell Neoprene	Density: 170kg/m <sup>3</sup> Nominal Tensile Strength: 700kn/mm <sup>2</sup> Elongation: 150% Temperature: -40°C to +70°C Flammability: FMVSS 302 - PASS Colours: Black

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Code	Type	Detail
FT-205E	Semi Closed Cell EPDM	Density: 95kg/m <sup>3</sup> Nominal Tensile Strength: 90kPa Elongation: 430% Temperature: -40°C to +135°C Flammability: FMVSS 302- PASS Colours: Black/White

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Code	Type	Detail
FT-160NS	Closed Cell "Soft" Neoprene	Density: 120kg/m <sup>3</sup> Nominal Tensile Strength: 726kPa Elongation: 210% Temperature: -40°C to +100°C Flammability: UL94-HF1 FMVSS 302 - PASS Colours: Black

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Code	Type	Detail
FT-206E	Semi Closed Cell EPDM	Density: 130kg/m <sup>3</sup> Nominal Tensile Strength: 125kPa Elongation: 600% Temperature: -40°C to +135°C Flammability: FMVSS 302- PASS Colours: Black/White

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Code	Type	Detail
FT-165E	Closed Cell EPDM	Density: 120kg/m <sup>3</sup> Nominal Tensile Strength: 500kn/mm <sup>2</sup> Elongation: 180% Temperature: -40°C to +70°C Flammability: FMVSS 302- PASS Colours: Black/White

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Code	Type	Detail
FT-207E	Low Emission Low Fogging Low Odours Low VOCs Semi Closed Cell EPDM	Density: 85kg/m <sup>3</sup> Tensile Strength: 48kPa Elongation: 170% Temperature: -40°C to +135°C Flammability: FMVSS 302- PASS Colours: Black

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Code	Type	Detail
FT-100/125	Closed Cell PVC	Density: 100-125kg/m <sup>3</sup> Tensile Strength: 150kPa Elongation: 120% Temperature: -30°C to +60°C Flammability: FMVSS 302- PASS Colours: Black

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Code	Type	Detail
FT-200NN	Skinned Closed Cell PVC/Nitrile	Density: 60-80kg/m <sup>3</sup> Tensile Strength: 80kPa Elongation: 100% Temperature: -200°C to +105°C Flammability: BS 476 Part 6 Class 0 & Part 7 Class 1 Colours: Black

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Code	Type	Detail
FT-190/200	Closed Cell PVC	Density: 190-200kg/m <sup>3</sup> Tensile Strength: 279kPa Elongation: 125% Temperature: -30°C to +60°C Flammability: FMVSS 302- PASS Colours: Black

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Code	Type	Detail
FT-400S	Closed Cell Silicone Sponge	Density: 256kg/m <sup>3</sup> Tensile Strength: 1.2n/mm <sup>2</sup> Elongation: 200% Temperature: -60°C to +230°C Flammability: FAR/25/JAR Colours: Black/White

23

Code	Type	Detail
FT-280/300	Closed Cell PVC	Density: 280kg/m <sup>3</sup> -300kg/m <sup>3</sup> Tensile Strength: 550kPa Elongation: 160% Temperature: -30°C to +60°C Flammability: FMVSS 302- PASS Colours: Black/Red/Green/Yellow/Blue

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Code	Type	Detail
FT-REGISEAL AQUA	Closed Cell Polyurethane	Density: 30kg/m <sup>3</sup> Nominal Tensile Strength: 110kPa Elongation: 70% Temperature: -30°C to +110°C Flammability: FMVSS 302- PASS Colours: Grey

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# End Uses

- ❖ Air sealing gaskets
- ❖ Automotive gaskets
- ❖ Dust sealing gaskets
- ❖ Flange gaskets
- ❖ Fluid sealing gaskets
- ❖ Food quality gaskets
- ❖ High temperature gaskets
- ❖ Pipe gaskets
- ❖ Pump gaskets
- ❖ Marine gaskets
- ❖ Speciality composite gaskets
- ❖ Water/dust/air seals
- ❖ Anti-rattle pads
- ❖ Anti-vibration pads
- ❖ Cushioning pads
- ❖ Sealing pads
- ❖ Thermal insulation
- ❖ Acoustic insulation
- ❖ And more . . . . .

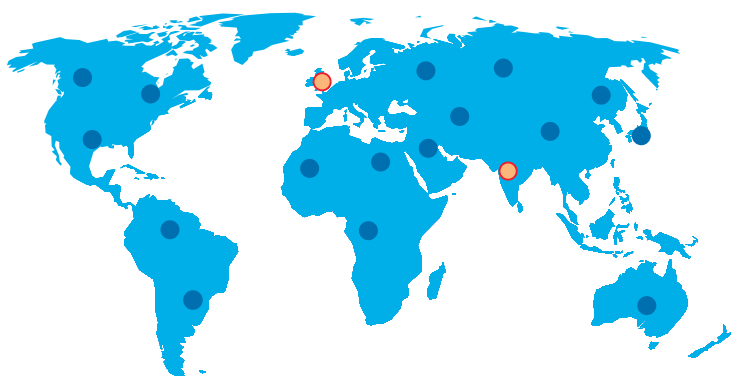
## UK Manufacturing Plant



## Our Foams:

High quality, incorporating closed cell and semi closed cell structures which offer effective cushioning and sealing, along with low water and fluid absorption.

Material types include EPDM, neoprene, PVC, silicone, polyester/polyether polyurethane, polyethylene and PVC/nitrile. This comprehensive polymer range covers temperatures from -200°C to +250°C and will withstand exposure to a wide tolerance of environmental conditions in application.



## Where you find us

Key:

- Manufacturing Plants
- Clients



# foam techniques Ltd

## Applications

Bus and Truck



Medical



Marine



Audio



Automotive



Aerospace



Air Conditioning



Rail



UK Headquarters  
39 Booth Drive  
Park Farm South  
Wellingborough  
Northamptonshire  
NN8 6GR

Tel: +44 (0) 1933 400096  
Fax: +44 (0) 1933 400095



INVESTOR DC PEOPLE

Email: [sales@foamtechniques.co.uk](mailto:sales@foamtechniques.co.uk)  
Website: [www.foamtechniques.co.uk](http://www.foamtechniques.co.uk)