



Bond-a-Band Transmissions Ltd, has a wealth of experience in the manufacture of Polyurethane extruded products. We continue to expand the business to cover all aspects of thermoplastic extrusions and related products. Bondasheet® & Bondafilm® are registered products of Bond-a-Band Transmissions Ltd.



Manufacturers
& Worldwide
Distributors
of
Polyurethane
Extrusions
& Belting
Products

Bondasheet®
Bondafilm®
Polyurethane
Sheet/Film



Profile Extrusions

Bond-a-Band 
TRANSMISSIONS LIMITED

Holmfield Industrial Estate, Holmfield, Halifax,
West Yorkshire HX2 9TP.

Tel: +44(0)1422 249777 Fax: +44(0)1422 249616

sales@bondaband.com
www.bondaband.com

Distributed By:



Bond-a-Band
TRANSMISSIONS LIMITED



Thermoplastic Polyurethane Sheet/Film

Bond-a-Band Transmissions Ltd manufacture and supply a wide range of extruded Thermoplastic Polyurethane (TPU) sheet/film incorporating a range in both Aromatic and Aliphatic Polyester and Polyether based Polyurethanes. Our expansion now includes a state of the art production facility allowing the supply of many variable additives and colours, subject to minimum quantities, to achieve specific finished products to customers requirements/applications. The versatility of Polyurethane lends itself to inclusion in many finished and semi finished components and products such as industrial, automotive, construction, medical and others too many to mention.

Specific types and uses

All types below can be welded by Heat, High frequency, Friction or Solvent with the added ability to thermoform to almost any shape required.

Aromatic Polyester based TPU

Used in extreme environments requiring maximum wear resistance, recovery properties, tear resistance and chemical resistance.

Applications

Drive Belts	Inflatables	Keyboard covers
Wear Strips	Mattress covers	Medical gloves
Wiper Blades	Chute Liners	Shoe uppers
Bellow manufacture	Foot pads	Adhesive pads
Seam Sealing	Sewer Liners	and many many more...

Aromatic Polyether based TPU

Used in environments requiring hydrolysis resistance for prolonged periods with good mechanical properties:

Applications

Offshore screens	External Covers	Inflatables
Wear strips	Diaphragms	Lumbar supports
Automotive parts	Door laminate	Keyboard covers
Tank Liners	Chute liners	Shoe uppers
Gaskets	Fabric laminate	and many many more...

About the company...

Bond-a-Band Transmissions Ltd is a family run business specialising in the manufacture of Polyurethane Extruded products.

We commenced business over 30 years ago with a material that was relatively new and untried to grow into one of the most experienced and knowledgeable companies in the field, this is your guarantee of a quality product backed by a quality sales and service team...

We have an extensive range of Extruded Products in stock most of which can be delivered 'same day' but we also offer our customers a bespoke service to suit their requirements...call us anytime on 01535 643123 we're only too happy to advise.

Bond a Band Transmissions Ltd, manufacturers of a wide and varied range of Polyurethane thermoplastic extrusions. Including within this range is our standard transmission drive belting in Round Solid, Round Tubular, V profile special profile extrusion and Flat Sheet/Film. Polyurethane is an extremely tough durable raw material ideally suited and resistant to high levels of abrasion along with excellent chemical properties.

For further details and advice on these products please contact our Sales/Technical department for advice on :

+44(0)1422 249777



THERMOPLASTIC SHEET/FILM

OUR PRODUCT REF.	FP80-E	FP80	FP85	FP85-E	FP90	FP93
HARDNESS	80	80	85	85	90	93
TYPE	Ether	Ester	Ester	Ether	Ester	Ester
THICKNESS AVAILABLE						
200-995 Micron	Yes	Yes	Yes	Yes		Yes
1mm		Yes	Yes	Yes	Yes	Yes
1.5mm	Yes	Yes	Yes		Yes	
2mm		Yes	Yes		Yes	
3mm		Yes	Yes		Yes	
4mm		Yes			Yes	
5mm		Yes			Yes	
6mm						
16mm						
	Consult Manufacturer					
COLOUR AVAILABLE						
CLEAR		Yes		Yes	Yes	Yes
ORANGE		Yes				
RED					Yes	
BLACK	Yes					
BLUE			Yes			
WHITE			Yes			

TECHNICAL DATA ON THERMOPLASTIC POLYURETHANE SHEET/FILM

PHYSICAL PROPERTIES.	UNIT.	METHOD.	H A R D N E S S A V A I L A B L E					
			FP80-E	FP80	FP85	FP85-E	FP90	FP93
Our Prod Ref.								
Hardness.	A/D	DIN53505	80	80	85	85	90	93
Type	Est/Eth.		Ether	Ester	Ester	Ether	Ester	Ester
Specific Gravity.	gr/cm	DIN53479	1.16	1.19	1.19	1.11	1.2	1.19
Tensile Strength.	n/mm ² or Mpa.	DIN53504	n/nm ²	53	42	42	n/mm ² 6.4	8.9
Tensile Strength at 50% Elongation.	n.mm ² or Mpa			n/mm ² 4.3	5.1	4.9	n/mm ² 6.4	8.9
Tensile Strength at 100% Elongation.	n.mm ² or Mpa		75mm. 95	n/mm ² 5.6	6	5.9	n/mm ² 7.8	10
Tensile Strength at Ultimate Elongation.	%		600	620	650	655	580	550
Compression Set.		DIN53517						
70hrs/22c	%				39	27		32
24hrs/22c	%				75	70		78
Tear Resistance.	KN/m	DIN535515	105		61	54		100
Abrasion Loss.	mm.	DIN53516	35	30	70	34	30	55
Brittle Point.	C	DIN53546	-70	-70	-70	-70	-70	-70
Torsion Modulus.		DIN53547						
-23c	C				20			40
0c	C				25			90
20c	C				85			605
40c	C				1105			1410

SPECIAL REQUIREMENTS

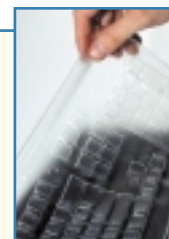
For customers with a specific project or requirement which involves manufacturing none standard grades, variable additives and colours we can tailor the material type, grade and properties to your specific needs. Please contact our technical department to discuss your application in detail.

Aliphatic Thermoplastic Polyurethane

The glass clear appearance in sheet form along with non yellowing characteristics of Aliphatic TPU lends itself ideally for use in the automotive industry for the production of laminate glass. Also finding many uses in other areas such as laminate for many external applications requiring maximum clarity without yellowing. In the majority we only manufacture Aliphatic sheet and film to order so that we can meet the exact requirements. Please contact our technical department for further information.

Services

We offer all customers sheet or film converted to any width required. Please call our sales department with your requirement so that we can advise and quote accordingly.

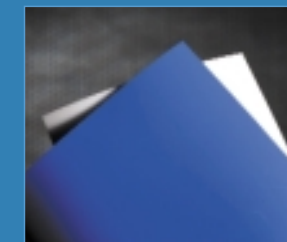


Bellow manufacture & Keyboard covers are just a few of the applications that TPU can be used for.



Manufacturers and Worldwide Distributors of Polyurethane Extrusions & Belting Products

Contact:
sales@bondaband.com and
www.bondaband.com

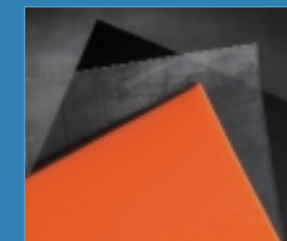


FP80-E

Available as standard in Black 1.5mm thick but available to any thickness or colour depending on thickness and quantity, please contact sales department with details.

FP80

One of our most popular grades with a widely available stock in both orange and clear, current stock levels available on request please contact our sales department.

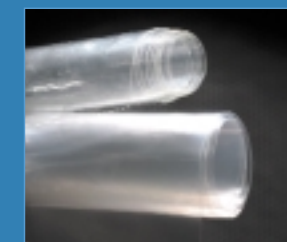


FP85

Main applications have been in the conveyor belt market for large conveyor belts in the poultry/food industry due to food approval and Blue colour which is a must for the food industry.

FP85-E

Wide scope of uses from Bellow manufacture to Automotive available ranging in thickness up to 1mm in clear or Black but other colours available on request, please contact our sales department for advice.



FP90

Used in various applications from conveyor belts to thermoformed parts available in standard Clear, Red or White.

FP93

Probably one of the most versatile grades with many uses which of many are in the Sewer Liner seam sealing tapes to medical applications such as mattress covers.