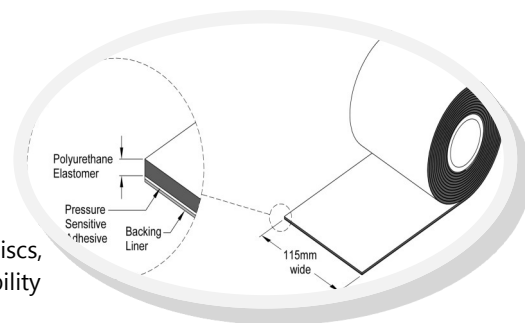


A highly resilient flexible polyurethane tape coated with versatile pressure sensitive adhesive. It offers good anti-slip properties whilst protecting against scratches. BumperFlex™ tapes are available in a wide range of thicknesses to suit most applications.

Supplied on a roll with a high quality backing liner suitable for die-cutting.

An important feature of BumperFlex™ tape is the ability to die-cut into pads, discs, washers, squares or gaskets to suit almost any job. Another useful feature is the ability to supply die-cut parts in roll form to enable automatic or robotic application.



Product Features

- Durable & Highly Resilient
- Shock & Vibration Resistant
- Non-Slip & Non-Marking
- Highly Transparent Option

Application Ideas

- Die-Cut - Anti-rattle Spacers, Discs, Pads, Washers
- Customise - To suit individual application, device or unit
- Protective Feet for - Electronic and Kitchen Appliances
Audio/Video/Medical/Telecom cases
Raspberry Pi boxes
Glass and Plastic displays

General Tape Information

	4105	4108	4110	4112	4116
Thickness (mm)	0.5	0.8	1.0	1.2	1.6
Standard width (mm)	115	115	115	115	115
Standard length (M)	66	66	66	33	33
Adhesive system	See adhesive data				
Colours available	See brochure for this information				
Slitting tolerance mm	± 0.5	± 0.5	± 0.5	± 0.5	± 0.5
Thickness tolerance	± 8%	± 8%	± 6%	± 6%	± 6%

Polyurethane Physical Properties

Properties	Test Method	Clear	Coloured
Hardness (Shore A)	ASTN D-2240	68-76	68-76
Tensile Strength (MPA)	BS903	4.5MN/m ²	4.5MN/m ²
Elongation (%)	BS903	190	193
Tear Strength (KN/m)	BS903	22.3	14.4
Abrasion Resistance (MG loss)	BS EN 5470-1:1999	175	150
Load Tolerance 21°C to 60°C		Min 3 Mpa	Min 3 Mpa
Flame Retardency	UL94HB (in house test)	Pass	Pass
Density		1080-1120 kg/m ³	1080-1120 kg/m ³
Compression Set 40°C (%)	BS903	Max 5	Max 5
Solvent & Fuel Resistance	5% detergent in water	No noticeable effect	
Tests carried out at 23°C for 24 hours	25% detergent in water	No noticeable effect	
	5% bleach in water	No noticeable effect	
	Motor oil	No noticeable effect	
	Isopropyl Alcohol	Some swelling. More evident in clear series	
	Hydrochloric acid (one normal solution)	No noticeable effect	
	Diesel Fuel	No noticeable effect	
	Heptane	Slight swelling	
	Toluene	Substantial swelling	

Exposure to the Environment

BumperFlex™ tape is intended for interior applications where physical properties will remain unchanged. When exposed to UV light for extended periods some discoloration as well as loss of adhesion may occur. However BumperFlex™ may be used outdoors in a protected area with some discoloration apparent. SHELF LIFE- 12 months when stored in original packaging at room temperature

Pressure Sensitive adhesive data

4001 - Standard on all BumperFlex™ Tape

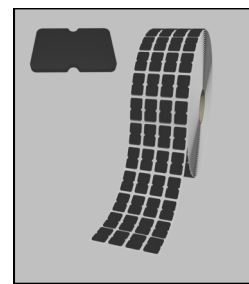
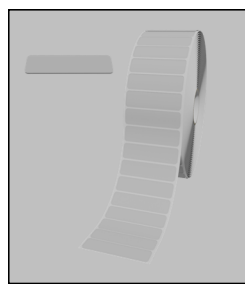
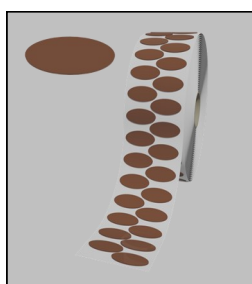
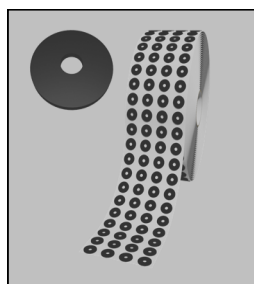
A solvent based acrylic adhesive with high instant tack. Strong stable pressure sensitive adhesive system which displays good adhesion to more demanding surfaces that would need higher levels of tack as well as good peel and shear properties. This adhesive system also displays good ageing properties when used for long term applications

Peel & Shear Data

Surface Material	Test Method	4001 Pressure Sensitive Adhesive	
		20min - 23°C 50% RH	24h - 23°C 50% RH
Stainless Steel	Peel FINAT 1 Unit N/25mm	13.4	15.7
Aluminium		12.1	14.8
Glass		12.5	17.7
HPDE		4.1	4.4
Polystyrene		9.9	13.1
ABS		10.4	15.1
Stainless Steel	Shear FINAT 8		>300h
Stainless Steel	Loop Tack N/25mm	13.8	

Temperature Range

Adhesive No	Adhesive Type	Application Temperature	Service Temperature
4001	Solvent Acrylic	20°C to 40°C	- 40°C to + 120°C



APPLYING BumperFlex™ Tapes

It is important to remember, that as with any self adhesive product, the surface to which they are being applied must be clean, dry and free from dust and dirt. Therefore, to gain maximum adhesion, clean the surface with low strength solvent and allow to dry thoroughly before use. Please follow solvent manufacturers' instructions for safety.

DISCLAIMER: To the best of our knowledge the information in this Data Sheet is believed to be correct as of the date issued. However, neither BumperStops Ltd nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Because of changing EU regulations this information is subject to change without prior notice to customers

In all cases the customer must determine the suitability of any of our materials for their application. BumperFlex® Tapes are RoHS, REACH and Wee compliant.