

Jupiter BumperStops

Polyurethane Protectors with Adhesive

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GENERAL INFORMATION

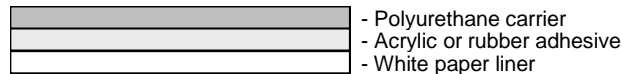
Jupiter BumperStops are coated with an acrylic adhesive, with good ageing resistance. They are usually used for shock absorbing, noise reduction, or increasing friction.

- Available in various thicknesses
- Acrylic or rubber adhesive
- Temperature resistant up to 80°C
- Shock absorber and noise reduction

Jupiter BumperStop are available in a wide range of sizes and heights. The different shapes available are:

- Hemispherical
- Cylindrical
- Square
- Recessed
- Cone

CONSTRUCTION



APPLICATIONS

The Bumperstops is used in a variety of industries. These products are very durable, resilient, and flexible. When applied they increase friction, reduce noise and vibrations. They can be used on a variety of materials such as stainless steel, glass, smooth VPC, high impact polystyrene. They are used for a wide range of applications such as:

- Stainless steel
- Furniture
- Glass & displays
- Electrical & home appliances
- Medical
- Automotive

USER GUIDELINES

To obtain optimal adhesion the surfaces must be clean and dry. Most frequent cleaning solvent is isopropyl/water (50:50 mixture) alcohol. Use safety instructions before using cleaners. Sometimes depending on surface a primer can be used to obtain a higher bonding force. Ideal temperature for tape application is between 21°C and 38°C. Allow dwell time to increase the surface contact and adhesion.

Bumperstops are intended for interior applications where physical properties will remain unchanged. When used externally for extended periods, some discolouration as well as loss of adhesion may occur.

All values above are average values and are not to be specific. To be sure about finished result we recommend that you do testing and use the product to determinate the function of the tape for your application. ATC Adhesive Tape Converting AB does NOT take any responsibility or liability direct or consequential for any loss or damage caused by using our product.

PRODUCT DATA

Physical Data:

Adhesive:	Solvent acrylic or solvent rubber
Carrier:	Polyurethane
Thickness:	Adhesive: 0,002mm
Liner:	White paper
Colour:	Black, transparent, grey (other colours are available upon request)
Shape:	Hemispherical, cylindrical, square, recessed, cone
Shelf life*:	12 months
Storage:	Good storage conditions are in room temperature. Not recommended for direct exposure to sunlight or ultraviolet light.

* From date of dispatch by ATC Tape Converting AB

Performance Data:

	Transparent	Coloured
Adhesive:	Acrylic	Rubber
Adhesive feature:	High initial tack	Good ageing properties
Shear strength @ 21°C:	Excellent	Excellent
Shear strength @ 49°C:	Excellent	Excellent
Ageing resistance	Good	Good
Application temperature:	+10°C to +65°C	+15°C to +65°C
Heat resistance:	-20°C to +80°C	-10°C to +80°C
Hardness: (ASTN D-2240)	66-70	66-70
Tensile strength: (BS903)	2,7MN/m ²	2,1MN/m ²
Elongation: (BS903)	106%	130%
Tear strength: (BS903)	11,5kN/m	9,2kN/m
Abrasion resistance: (BS EN 5470-1:1999)	0,4g loss	0,2g loss
Coefficient of friction: (ASTM D-1894-78)		
Stainless steel	5,69	2,52
Glass	2,90	2,70
Smooth VPC floor tile	2,62	2,50
High impact polystyrene	2,53	2,37
Flame retardancy: (UL94HB)	Pass	Pass

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If using the Bumperstops for applications involving the support of heavy weights, such as heavy plates of glass, tests have shown that the cylindrical shape perform better than the hemispherical. A heavy load supported by the wrong type of Bumperstop could result in fracturing or “crumbling” of the urethane material. The chart below presents some weight loading guidance. Compression tests were carried out at ambient temperature of 24°C.

Compression test:

Product	Colour	Shape	Weight per bumper
BU 2115	Transparent	Hemispherical	5 kg
BU 2150	Transparent	Hemispherical	10 kg
BU 2127	Transparent	Square	12 kg
BU 2205	Transparent	Square	24 kg
BU 2120	Transparent	Cylindrical	10 kg
BU 2125	Transparent	Cylindrical	15 kg
BU 2191	Transparent	Cylindrical	26 kg
BU 2019	Transparent	Cylindrical	24 kg

Product range:

Product	Colour*	Width	Height	
Hemispherical	BU 2006	Transparent, black	6,4mm	1,9mm
	BU 2079	Transparent	7,9mm	2,5mm
	BU 2816	Transparent	8,0mm	1,6mm
	BU 2008	Transparent, black	8,0mm	2,2mm
	BU 2010	Transparent, black, grey	10,0mm	3,1mm
	BU 2115	Transparent, black, grey	11,1mm	5,0mm
	BU 2150	Transparent, black, grey	16,0mm	7,9mm
	BU 2190	Transparent, black, grey	19,0mm	9,5mm
	Cylindrical	BU 2075	Transparent, black	8,0mm
BU 2104		Transparent, black	10,0mm	4,0mm
BU 2120		Transparent, black	10,1mm	1,8mm
BU 2122		Transparent, black	12,7mm	1,8mm
BU 2125		Transparent, black, grey	12,7mm	3,5mm
BU 2014		Transparent, black, grey	14,0mm	4,5mm
BU 2191		Transparent, black	19,0mm	1,9mm
BU 2024		Transparent, black, grey	19,0mm	4,0mm
BU 2204		Transparent, black, grey	19,7mm	3,0mm
Square	BU 2020	Transparent, black	20,0mm	6,2mm
	BU 2100	Transparent, black, grey	10,0mm	2,5mm
	BU 2126	Transparent, black, grey	12,6mm	5,8mm
	BU 2127	Transparent, black, grey	12,7mm	3,1mm
Other	BU 2205	Transparent, black, grey	20,5mm	7,5mm
	BU 9931	Transparent	10,0mm	3,1mm
	BU 2210	Transparent, black, grey	20,5mm	10,1mm
	BU 2164	Transparent, black	16,5mm	10,2mm
	BU 3216	Transparent, black, grey	16,6mm	16,6mm
	BU 2019	Transparent, black	19,0mm	6,0mm
BU 3206	Transparent, black	20,5mm	13,2mm	

* Other colours might be available upon request

CONTACT INFORMATION

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