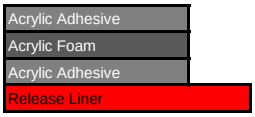
Die-cuttable Acrylic Foam Tape

Technical Data 2024

Bow Tape's acrylic foam tapes are a long-time steady seller product line that replaces screws, nails, and adhesives for bonding heavy objects. The elastic and viscosity properties of acrylic foam enhance adhesion power and provide strong holding power, making it ideal for heavy-duty applications. These tapes are also excellent for vibration and shock resistance and easy and quick to use. Among them, the die-cuttable acrylic foam tapes are specially developed for easy die-cutting, making it suitable for emblems, lettering, and nameplates. They are available in various thicknesses and formats.

Application Die-cutting applications such as emblem, lettering and nameplates

Properties

	702BDQ	705BDQ	708BDQ	711BDQ	715BDQ
Color			Black		
Thickness	0.2mm (±10%)	0.5mm (±10%)	0.8mm (±10%)	1.1mm (±10%)	1.5mm (±10%)
Carrier			Acrylic Foam		
Liner			Paper Liner / Red PE Film		
Standard Size			930mm x 33M		
Structure					

Performance

90˚ Peel Adhesion					
SUS	2000	2300	2700	2800	3000
ABS	1000	1300	1400	1550	1760
Dynamic Shear	8.7	9.3	9.6	9.6	10
Temperature Resistance					
Short-term	150	150	150	150	120
Long-term	90	90	90	90	90
UV Resistance			++*		
Chemical Resistance			++		

* + : Average, +++ : Exceptional

Test Method

	90˚ Adhesion ASTM D3330	Dynamic Shear ASTM D1002	Temperature Resistance
			
Substrate	As indicated	SUS	SUS
Speed/Load	300mm/min	200mm/min	100g/250g
Tape size	10mm	1.0㎠	4.0㎠/6.45㎠
Spec in	-	-	4hrs/7days
Unit	gf	kgf/㎠	℃

Shelf Life 24 months from date of manufacture when stored at 21°C to 38°C (69°F to 100°F) and 50% relative humidity.

Caution Technical Specifications reflect the average performance of products based on data from controlled standard testing enviroments and engineering experience but are not guaranteed. Although Bow Tape products are suitable for most standard situations, due to many unforeseeable factors contributing to the performance during the application process, Bow Tape should be consulted with proper information for accurate product suggestions regarding specific usage.

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