Acrylic Foam Tape for *Any Temperature*

Technical Data 2024 — BOW TAPE

Description

Bow Tape's acrylic foam features high adhesion and holding power that allows for easier and faster application in comparison to nails, screws, or other adhesive alternatives. The GSC series improves on these advantages by possessing extreme heat resistance of 230°C for short term and 150°C for long term. For applications such as powder coating, electronic assembly, and any requiring high temperature resistance, you can use the GSC products with confidence.

Application

Powder coating process, Electronics assembly, High temperature applications

Properties

	706GSC	708GSC	711GSC	716GSC
Color	Gray			
Thickness	0.6mm (±10%)	0.8mm (±10%)	1.1mm (±10%)	1.6mm (±10%)
Carrier	Acrylic Foam			
Liner	Easy-release PE Film			
Standard Size	930mm x 33M			
Structure	Acrylic Adhesive / Acrylic Foam / Acrylic Adhesive / Release Liner			

Performance

90˚ Peel Adhesion				
SUS	2500	2800	3000	2800
Aluminum	2800	3000	3300	3100
ABS	1600	1800	2100	1900
Dynamic Shear	7	7	6	5
T-Block	7	7	8	9
Static Shear	23°C x 1kg			
	150°C x 500g			
Temperature Resistance				
Short-term	230			
Long-term	150			
UV Resistance	++			
Chemical Resistance	++			

* + : Average, +++ : Exceptional

Test Method

	90˚ Adhesion ASTM D3330	Dynamic Shear ASTM D1002	T-Block ASTM D897	Static Shear ASTM D3654	Short/Long term
Substrate	As indicated	SUS	SUS	SUS	SUS
Speed/Load	300mm/min	200mm/min	12.7mm/min	-	100g/250g
Tape size	10mm	1.0㎠	6.45㎠	3.23㎠	3.23㎠/6.45㎠
Spec in	-	-	-	7days	4hours/7days
Unit	gf	kgf/㎠	kgf/㎠	℃,g	℃

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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