

Technical Data Sheet

Scotch Brand Acrylic Foam Tape

(High Soft Type)

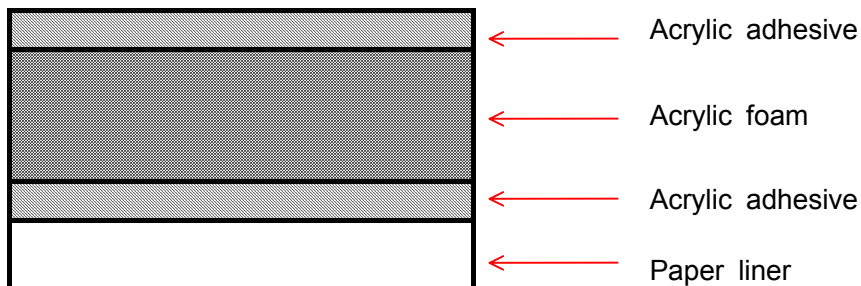
Y-4604(0.40mm) Y-4608(0.80mm) Y-4612(1.20mm) Y-4620(2.00mm)

1. Description

High soft acrylic foam tape is double coated acrylic foam with acrylic pressure sensitive adhesive on both side and has good conformability than before.

It was improved the initial wettability, adhesion in a cold condition without reducing the typical properties like Y-4630F.

2. Construction



3. Feature

1. Good initial tack in a cold condition
2. Good conformability against rough surface
3. High sealing performance
4. High heat resistance
5. Excellent durability
6. Vibration, sound damping

4. Application procedure

1. Clean oil, water and dust on the substrate
2. Add pressure using press equipment or steel roller
1. Need special primer for poor bonding strength

5. Properties

Product #		4604	4608	4612	4620
Color		Opaique gray			
Thickness	Tape(mm)	0.40	0.80	1.20	2.00
	Liner(mm)	0.14			
Density(g/cm ³)		0.65			
Compression (kg/cm ²)		1.0			
Temp.range (°C)		-30°C~200°C			
Strage condition		Non direct sun light			

Test method

Thickness: Use 5 ϕ dial gage(JIS Z 0237)

Density: Culcate weight by volume

Compression modulus: Check a strength at 25% compression

Usarable temp.range: Below -30°C,anti-impact resistance will be decrease.More than 200°C long time,adhesive will be lose some properties

Strage condition: Any dedorms will occure in high humid and high temp.condition for long time strage

6. Adhesion strength

	4604	4608	4612	4620
90° Peel (kg/cm)	1.4	2.3	2.7	3.8
T- Peel (kg/cm)	1.1	1.2	1.4	2.1
Shear str kg/cm ²)	12.9	8.3	6.7	6.4
Tensile (kg/cm ²)	4.1	3.3	3.4	3.4

Test method

90° Peel: Tape between SUS and anodized Al foil. Roll down twice in each direction using 10Kg steel roller. 72 hrs dwell at RT. Testing speed 300mm/min

T-Peel: Using anodized Al foil both side. Roll down twice in each direction. 72 hrs dwell in RT. 300mm/min speed.

Dynamic shear: Onto SUS. 10kg roller twice. After 72hrs RT dwell. 300mm/min.

Tensile: To SUS block, press 10kg for 30 sec.

7. Dynamic shear strength at each temp.

		4604	4608	4612	4620
Shear strength (kg/cm ²)	-30°C	45.5	23.8	22.9	10.3
	0°C	28.6	20.6	14.8	16.3
	23°C	12.9	8.3	6.7	6.4
	50°C	5.0	4.6	3.7	3.3
	75°C	3.9	3.7	3.0	2.5
	100°C	3.3	3.0	2.5	1.5
	125°C	2.8	2.5	2.2	1.4
	150°C	2.5	2.2	1.5	1.3

Test method

After 72hrs RT dwell, test under each temp.

8. 90° Peel adhesion to each substrate

		4604	4608	4612	4620
90° Peel (kg/cm)	Stainless(SUSBA304)	1.4	2.3	2.7	3.8
	Steel(SPCC-SB)	1.6	2.2	2.5	3.9
	Aluminum(A 1050 P)	0.8	1.4	1.4	2.5
	Galvanized steel	1.6	2.4	2.6	3.9
	Acrylic	1.1	1.5	2.1	2.3
	ABS resin	1.2	1.6	2.2	2.1
	Hard PVC resin	0.9	1.3	1.5	1.5

Test method

Same as item 6.

*** Important notice to purchaser**

ALL statements, technical information and recommendations herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed.