KGK Chemical Corp.
Starting new value creation

#1 Coating Technology in The World
Molecule Gradient Layer (MGL)™ Technology

July 2, 2022

Reliable fixing tape with high adhesive force
Acrylic foam tape
300ZGB1200

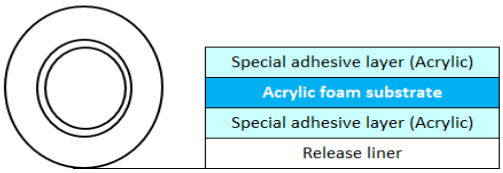
Features

①Excellent performance not only for metals but also for variety of resins
②Excellent adhesive strength in both low and high temperatures
③High adhesion force even on difficult-to-bond materials; UV painted surface, polymer PE, etc.
④Excellent shock absorption and improved durability
⑤Excellent followability and anti-resilience

Applications

For general adhesion of nameplates, metal plates, plastic plates, etc.
For bonding to various industrial materials
For bonding with various foam materials
Fixing components of mobile products such as smartphones

Construction



Porperties

■90° Peel strength

Thickness (μm)	90° Peel strength (N/cm)		
	Artificial marble	SUS	Plywood
1200	19.3	36.3	7.5

Test method: A 10 mm wide sample is laminated to artificial marble, SUS304, and plywood.
After backing with 25μm PET, crimped with a 2kg roller twice back and forth.
Measured after leaving at room temperature for 1 hour. Peeled in 90° direction at a tensile speed of 300 mm/min.

■Shear force by temperature

Shear force (MPa)		
−20℃	Room temp. (23℃)	100℃
4.0	1.5	0.5

Test method: A sample of 10mm x 10mm was bonded to SUS304 and crimped with a 2 kg roller, back and forth twice. Measured at each temperature after leaving at room temperature for 1 hour. Peeled off in shear direction at a tensile speed of 300 mm/min.

■Holding power

Holding power (Displacement distance, mm)			
Room temp.(23℃)		40℃	100℃
500g/cm²	50g/cm²	50g/cm²	50g/cm²
0	0	0	0

Test method: A sample of 10mm x 10mm is bonded to SUS304 and crimped with a 2 kg roller back and forth for two times. After leaving the sample at room temperature for 1 hour, hang a weight at each temperature and measure the misalignment distance after 24 hours.

Precautions on use

All technical data of KGK products are prepared based on the tests and measured values carried out in the laboratory of KGK Chemical Corp. as the standard.
However, KGK product characteristics may vary greatly depending on environment and adherend.
Therefore, these technical data herein are only for reference and not guaranteed.
Before using a KGK product please make sure that it is suitable for the intended use and environment.

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