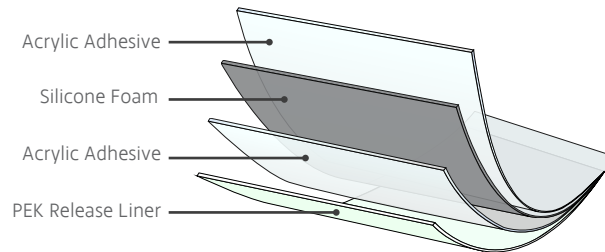


# Technical Data Sheet: ZK300GY2A06, ZK300B2A06

## Very Soft Silicone Foam with Both Side Adhesive



ZK300GY2A06, ZK300B2A06 is a very soft silicone foam with good compressibility and light weight laminated with both side high performance adhesive tape. It is an ideal material for dust sealing, cushioning and vibration isolating. Applications are including gasket, spring pad and cushion pad.



## Characteristics

- Good spring force and low stress relaxation can reduce cost for material failure
- Higher compressibility allows more design flexibility
- Resistance to UV, ozone, extreme temperatures and flame enables the consistent performance
- Excellent adhesion provides secure bonding to various substrates
- Dimensional stable release liner provides excellent feature for converting and die cut process

## Applications

- Suitable to be used for vibration isolation for electrical devices and vehicles
- Environmental sealing for aircraft and railway car
- As cushion pad and gasket

## Properties

| Properties                                   | ZK300GY2A06,<br>ZK300B2A06 | Standard          |
|----------------------------------------------|----------------------------|-------------------|
| Silicone Foam (ZK300)                        |                            |                   |
| Colour                                       | Grey, Black                | -                 |
| Thickness (mm)                               | 1.59 ~ 25.4 ± 10%          | -                 |
| Density (kg/m <sup>3</sup> )                 | 270                        | ASTM D1056        |
| Tensile Strength, min (kPa)                  | 150                        | ASTM D412         |
| Elongation, min (%)                          | 60                         | ASTM D412         |
| Compression Force<br>(25% compression) (kPa) | 20                         | ASTM D1056        |
| Compression Set (max 50%, 100°C)             | < 5                        | ASTM D1056 Test D |
| Thermal Conductivity (W/m.K)                 | 0.05                       | ASTM E1461        |
| Volume Resistivity (Ω,cm)                    | > 10 <sup>14</sup>         | ASTM D257         |
| Flammability                                 | V-0, HF-1                  | UL94              |
| Recommended Temperature (°C)                 | -55 ~ 200                  | SAE J-2236        |

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| Properties                                                  | ZK300GY2A06,<br>ZK300B2A06 | Standard   |
|-------------------------------------------------------------|----------------------------|------------|
| Adhesive Tape (ZT8055)                                      |                            |            |
| Tape Thickness (μm)                                         | 50 ± 10%                   | -          |
| 180° Peel Adhesion to Steel (25μm PET, 30mins dwell) (N/cm) | > 4.6                      | ASTM D3330 |
| Holding Power (60°C, 1kg/inch²) (Hrs)                       | > 24                       | JIS Z 0237 |
| Temperature Resistance (°C)                                 | -30 ~ 120                  | -          |