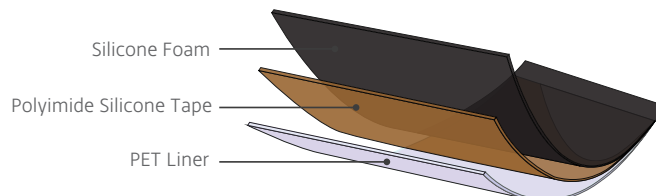


Technical Data Sheet: ZK300GYAS100

Very Soft Silicone Foam with Adhesive



ZK300GYAS100 is a very soft silicone foam with good compressibility and light weight laminated with double sided silicone adhesive tape with polyimide backing. 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	ZK300GYAS100	Standard
Silicone Foam (ZK300)		
Colour	Grey, Black	-
Thickness (mm)	1.59 ~ 12.7	-
Density (kg/m ³)	270	ASTM D1056
Tensile Strength, min (kPa)	150	ASTM D412
Elongation, min (%)	60	ASTM D412
Compression Force (25% compression) (kPa)	20	ASTM D1056
Compression Set (max %) @70°C @100°C	< 1 < 5	ASTM D1056 Test D
Flammability	V-0, HF-1	UL94
Recommended intermittent use (°C)	-55 ~ 200	-
Recommended constant use (°C)	-50 ~ 150	-

Technical Data Sheet: ZK300GYAS100

Very Soft Silicone Foam with Adhesive



Properties	ZK300GYAS100	Standard
Adhesive Tape (ZDI9100)		
Type of Adhesive	Silicone	-
Type of Backing	Polyimide	-
Tape Thickness (μm)	100	-
180° Peel Adhesion to Steel (N/25mm)	> 5.8	PSTC - 101
Tensile Strength (N/25mm)	> 115	PSTC-31
Elongation at Break (%)	> 50	PSTC-31
Breakdown Voltage (KV)	> 5.0	PSTC-51
Temperature Resistance (°C)	250	-