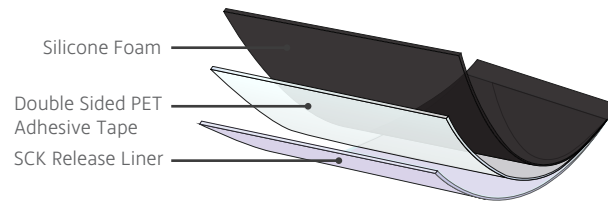


Technical Data Sheet: ZSM400GYA, ZSM400BA

Medium Hardness Silicone Foam with Adhesive



ZSM400GYA, ZSM400BA is a silicone foam in the medium hardness. It combines the light weight characteristics of a foam with the sealing properties of a sponge material. Applications include gaskets and cushion pads. Easily die cut, it is available in several standard thicknesses.



Characteristics

- Good spring force and low stress relaxation can reduce cost for gasket failure
- Tighten cell structure and special formulation provides good sealing performance to resist particles and rains
- Resistance to UV, ozone, extreme temperatures and flame enables the consistent performance

Applications

- Suitable to be used for vibration isolation for components and vehicles
- Environmental sealing and protect enclosures to against dust, moisture, air and liquid
- As cushion pad and gasket

Properties

Properties	ZSM400GYA, ZSM400BA	Standard
Silicone Foam		
Colour	Grey, Black	-
Thickness (mm)	0.8 ~ 12.7	-
Density (kg/m ³)	400	ASTM D1056
Tensile Strength, min (kPa)	350	ASTM D412
Elongation, min (%)	80	ASTM D412
Compression Force (25% compression) (kPa)	80	ASTM D1056
Compression Set (max %) @70°C @100°C	< 1 < 5	ASTM D1056 Test D
Flammability	V-0, HF-1	UL94
Recommended use (°C)	-55 ~ 200	-

Medium Hardness Silicone Foam with Adhesive

Properties	ZSM400GYA, ZSM400BA	Standard
Double Sided Adhesive Tape		
Tape Thickness (µm)	100	-
Backing Type	12 µm PET	-
180° Peel Adhesion to Steel, 2mil PET (N/100mm) 15mins RT 72hrs RT	110 120	ASTM D3330
180° Peel Adhesion to PET, 2mil PET (N/100mm) 15mins RT	97	ASTM D3330
180° Peel Adhesion to other surfaces, 2mil PET, 15 mins RT (N/100mm) ABS Polycarbonate	90 107	ASTM D3330
Shear strength (25mmx25mm/1000g @ 22°C) (mins)	10000	ASTM D3654
Solvent Resistance	Medium-Low	-
UV Resistance	Medium	-
Temperature Resistance (°C) Long term Short term	80 200	-