

Technical Data Sheet: ZSM400

Medium Hardness Silicone Foam



ZSM400 is a silicone foam specially developed according to the needs of industrial market environment sealing. As medium hardness foam, it has excellent spring back performance, good weather resistance, waterproof, airtightness and long-term working stability. It is an ideal choice for waterproof seal under harsh environmental conditions.

Silicone Foam



Characteristics

- Soft and good for gap filling
- Excellent waterproof and air tightness
- Unique compression set
- 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, wind and rain
- As sealing of lighting equipment, electrical cabinet and other sealing applications

Properties

Properties	ZSM400	Standard
Colour	Grey, Black	-
Thickness (mm)	0.8 ~ 20.0 ± 10%	ASTM D374/D374M
Density (kg/m ³)	400	ASTM D1056
Tensile Strength, min (kPa)	300	ASTM D412
Elongation, min (%)	80	ASTM D412
Compression Force Deflection (kPa)	80	ASTM D1056
Compression Set (%) @70°C @100°C	< 1 < 5	ASTM D1056 Test D
Thermal Conductivity (W/m.K)	0.064	ASTM E1461
Volume Resistivity (Ω.cm)	> 10 ¹³	ASTM D257
Flammability	V-0, HF-1	UL94
Recommended Temperature (°C)	-55 ~ 200	SAE J-2236