

Technical Data Sheet: ZK300

Very Soft Silicone Foam



ZK300 is a very soft silicone foam with good compressibility and light weight. 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

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	ZK300	Standard
Colour	Grey, Black	-
Thickness (mm)	1.59 ~ 25.4 ± 10%	-
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 50%, 100°C)	< 5	ASTM D1056 Test D
Thermal Conductivity (W/m.K)	0.05	ASTM E1461
Volume Resistivity (Ω,cm)	> 10 ¹⁴	ASTM D257
Flammability	V-0, HF-1	UL94
Recommended Temperature (°C)	-55 ~ 200	SAE J-2236