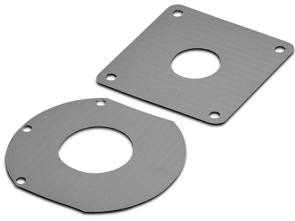


Data sheet Product WFS 09 18



Accessories for electronic components>Thermal interface material>Thermally conductive foil made of siliconelastomer

- silicone foil with glass fibre reinforcement
- free from toxic substances
- very good thermal and mechanical properties
- one-sided or double-sided adhesive layer upon request
- cuts and contours according to customer specific drawing specifications

Features

version:	silicone foil with glass fibre reinforcement
colour:	grey
hardness:	85 Shore A
thermal conductivity:	0.9 W/m·K
temperature range:	-60°C... +180°C
material thickness:	0.178 mm
elongation:	54 %
volume resistance:	10¹¹ Ω·m
dielectric constant:	5.5 [1 kHz]
tear strength:	3000 psi
tensile strength:	5 kN/m
dielectric strength:	3.5 kV
class of inflammability:	UL 94 V-0
type of delivery:	<ul style="list-style-type: none"> • rolled goods, roll width 300mm • cuttings on customer's requirement

Further Information

Thermal resistances vs. contact pressure / surface TO 220

pressure [psi]	10	25	50	100	200
thermal resistance WFS 09 18 [K/W]	6.62	5.93	5.14	4.38	3.61
thermal resistance WFS 09 23 [K/W]	8.51	7.62	6.61	5.63	4.64
thermal impedance WFS 09 18 [K-cm ² /W]	11.37	8.87	7.06	5.12	3.37
thermal impedance WFS 09 23 [K-cm ² /W]	14.62	11.43	9.06	6.56	4.31

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