

Data sheet Product WFS 18



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

- silicone material with glass fibre reinforcement
- optimal contacting between device and heatsink
- simplified mounting by means of double-sided adhesive layer
- automatic assembling possible
- cuts and contours according to customer specific drawing specifications

Features

version:	silicone foil with glass fibre reinforcement
colour:	blue
hardness:	75 Shore A
thermal conductivity:	1.8 W/m·K
temperature range:	-60°C... +180°C
material thickness:	0.203 mm
elongation:	22 %
volume resistance:	10¹¹ Ω·m
dielectric constant:	6.1 [1 kHz]
tear strength:	238 psi
tensile strength:	0,34 kN/m
dielectric strength:	3 kV
class of inflammability:	UL 94 V-0
type of delivery:	<ul style="list-style-type: none"> • rolled goods, roll width 250mm • 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 18 [K/W]	1.54	1.52	1.51	1.49	1.46
thermal impedance WFS 18 [K·cm ² /W]	2.31	1.75	1.43	1.31	1.25