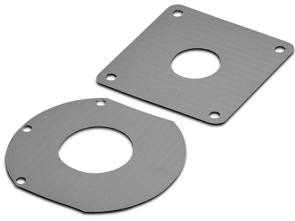


# Data sheet Product WFS 09 23



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:	<b>silicone foil with glass fibre reinforcement</b>
colour:	<b>grey</b>
hardness:	<b>85 Shore A</b>
thermal conductivity:	<b>0.9 W/m·K</b>
temperature range:	<b>-60°C... +180°C</b>
material thickness:	<b>0.229 mm</b>
elongation:	<b>54 %</b>
volume resistance:	<b>10<sup>11</sup> Ω·m</b>
dielectric constant:	<b>5.5 [1 kHz]</b>
tear strength:	<b>3000 psi</b>
tensile strength:	<b>5 kN/m</b>
dielectric strength:	<b>4.5 kV</b>
class of inflammability:	<b>UL 94 V-0</b>
type of delivery:	<ul style="list-style-type: none"> <li>• rolled goods, roll width 300mm</li> <li>• cuttings on customer's requirement</li> </ul>

## 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 <sup>2</sup> /W]	11.37	8.87	7.06	5.12	3.37
thermal impedance WFS 09 23 [K-cm <sup>2</sup> /W]	14.62	11.43	9.06	6.56	4.31

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