

# Data sheet Product WLF9 9813 R310



Accessories for electronic components>Thermal interface material>High thermoconducting graphite foils

- high-compressed anisotropic natural graphite
- very good thermal characteristics
- optimal for heat spreading
- high operating temperature range
- different material thicknesses and coatings upon request
- customer specified cuttings and stampings acc. to drawing

## Features

material thickness:	<b>0.13 mm</b>
version:	<b>graphite foil, electrically conductive</b>
version:	<b>ohne Haftbeschichtung</b>
colour:	<b>grey</b>
hardness:	<b>85 Shore A</b>
thermal conductivity z (x/y):	<b>8 (140) W/m·K</b>
temperature range:	<b>-240°C ... +350°C</b>
volume resistance:	<b><math>11 \cdot 10^{-4} \Omega \cdot \text{cm}</math></b>
dielectric constant:	<b>&lt;0,001 [1 MHz]</b>
class of inflammability:	<b>UL 94 V-0</b>
type of delivery:	<ul style="list-style-type: none"> <li>• <b>rolled goods, roll width 310mm</b></li> <li>• <b>other dimensions upon request</b></li> <li>• <b>sheet material auf Anfrage</b></li> </ul>

## Further Information

## Thermal resistances vs. contact pressure / surface TO 220

pressure [psi]	10	29	145
thermal impedance WLF 9813 (K) R310 [K-cm <sup>2</sup> /W]	0.77	0.58	0.39
thermal impedance WLF 9825 (K) R310 [K-cm <sup>2</sup> /W]	1.55	1.00	0.64
thermal impedance WLF 9850 (K) R310 [K-cm <sup>2</sup> /W]	2.60	1.48	1.00

## Thermische Widerstände vs. Anpressdruck

Druck [psi]	10	29	145
Thermische Impedance WLF 9813 (K) R310 [K-cm <sup>2</sup> /W]	0,77	0,58	0,39
Thermische Impedance WLF 9825 (K) R310 [K-cm <sup>2</sup> /W]	1,55	1,00	0,64
Thermische Impedance WLF 9850 (K) R310 [K-cm <sup>2</sup> /W]	2,60	1,48	1,00

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