

Data sheet Product WSF 635



Accessories for electronic components > Thermally conductive material > Heat conductive foam and gel foils

- elastomer foam with closed cell structure
- good heat conductor e.g. between components, heatsinks and casing parts
- electrical insulating
- can be compressed even with a low contact pressure
- absorbs shocks and vibrations

Thermal resistance at 3.2 mm material thickness:

compression [%]	contact 10	25	50
contact pressure [psi]	>1	5	12 34
R _{th} [K/W] (1 in ² x 3.2 mm)	6	4.5	2.5 1
heat conductivity [W/mK]	0.3	0.4	0.45 0.65

- WSF 635 double sided adhesive and WSF self-adhesive upon request
- according to NASA gas emission requirements

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Features

material	foam film
material thickness	6.35 mm
tolerance	1.2
version	non adhesive
colour	green
tightness	1.105 g/cm ³
hardness range	13 Shore A
thermal conductivity	0.108 W/m·K (substrate)
temperature range	-62°C... +205°C
compression, 25%	18 psi
extensibility	150 %
tensile strength	120 psi
dielectric strength	4 kV/mm
class of flammability	UL 94 V-1 (at thickness ≥3.2mm)
type of delivery	• plates 914x914mm • cuttings on customer's requirements

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