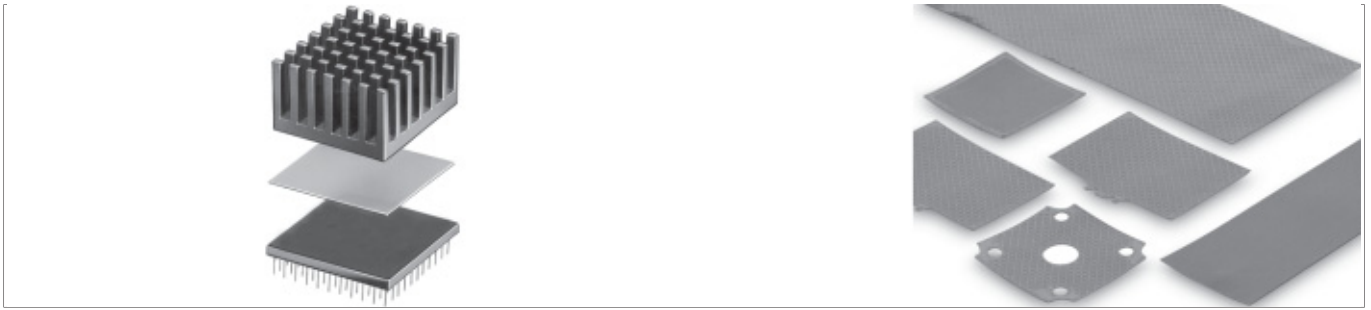


Thermally conductive foil both sides adhesive



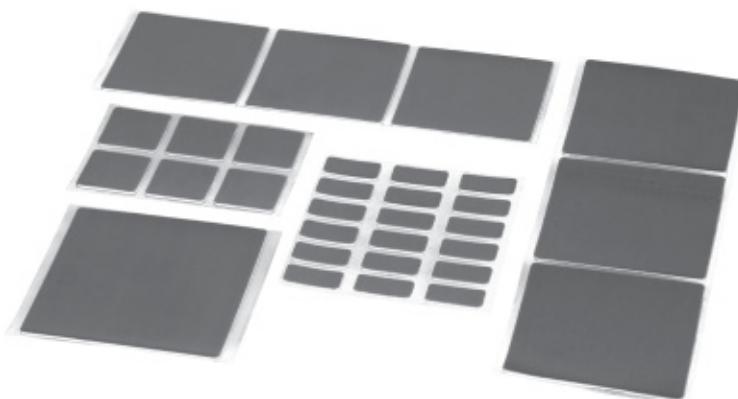
- good thermal characteristics
- double-sided adhesive layers
- replaces mechanical fastenings
- cuttings and cut-outs upon request

art. no.	width [mm]	type of delivery	art. no.	width [mm]	type of delivery
WLFT 404 R25	25	sold by the meter	WLFT 414 R100	100	sold by the meter
WLFT 404 R50	50	sold by the meter	WLFT 414 R200	200	sold by the meter
WLFT 404 R100	100	sold by the meter	WLFT 405 R25	25	sold by the meter
WLFT 404 R200	200	sold by the meter	WLFT 405 R50	50	sold by the meter
WLFT 414 R25	25	sold by the meter	WLFT 405 R100	100	sold by the meter
WLFT 414 R50	50	sold by the meter	WLFT 405 R200	200	sold by the meter

art. no.	dimensions [mm]	type of delivery	art. no.	dimensions [mm]	type of delivery
WLFT 404 100x100	100 x 100	plate	WLFT 414 200x200	200 x 200	plate
WLFT 404 100x200	100 x 200	plate	WLFT 405 100x100	100 x 100	plate
WLFT 404 200x200	200 x 200	plate	WLFT 405 100x200	100 x 200	plate
WLFT 414 100x100	100 x 100	plate	WLFT 405 200x200	200 x 200	plate
WLFT 414 100x200	100 x 200	plate			

	WLFT 404	WLFT 414	WLFT 405
description	insulating, double sided adhesive		non insulating, double-sided adhesive
overall thickness	0.127 mm ±0.03		0.15 mm ±0.03
truss material	polyimide (Kapton MT) 0.025 mm		aluminium foil 0.05 mm
glue layer	acrylate (pressure sensitive) double-sided		
thermal conductivity	0.37 W/m·K		0.5 W/m·K
specific thermal resistance	3.7°C cm ² /W		3.4°C cm ² /W
temperature range	-30 °C ... +125 °C		
holding force (overlapping)	0.86 MPa		0.93 MPa
holding force (shear rate)	Al₂O₃ 150 °C 0.34 [MPa]/ Al 150 °C 0.345 [MPa]/ Cu 25 °C 0.828 [MPa]/ Al₂O₃ 25 °C 1.17 [MPa]/ Al 25 °C 0.897 [MPa]/ Cu 150 °C 0.31 [MPa]	Al 150 °C 0.345 [MPa]/ Al 25 °C 0.897 [MPa]	Al 150 °C 0.38 [MPa]/ Al₂O₃ 150 °C 0.41 [MPa]/ Cu 25 °C 1.1 [MPa]/ Al₂O₃ 25 °C 1.0 [MPa]/ Al 25 °C 0.86 [MPa]/ Cu 150 °C 0.48 [MPa]
dielectric strength	5 kV (AC)		
class of flammability	UL 94 V-0		

Thermally conductive foil both sides adhesive



- double sided adhesive layer
- optimal adhesion of different substrates
- very good thermal conductivity, electrical insulating
- easy handling due to double sided protection foil
- optimized surface moistening and excellent impact strength
- cutouts and different punchings according to customer drawing

art. no.	type of delivery
WLFT 8805	plates, usable area 300 x 200 mm
WLFT 8810	plates, usable area 300 x 200 mm
WLFT 8815	plates, usable area 300 x 200 mm
WLFT 8820	plates, usable area 300 x 200 mm
WLFT 8940	plates, usable area 300 x 200 mm

	WLFT 8805	WLFT 8810	WLFT 8815	WLFT 8820	WLFT 8940
description	double sided adhesive, filled acrylic polymer				
overall thickness	0.13 mm	0.25 mm	0.38 mm	0.5 mm	0.19 mm
filling material	ceramic				
protection cover	silicone treated polyester, 37.5 - 50 µm				
thermal impedance	3.1 °C cm ² /W	5.7 °C cm ² /W	7.6 °C cm ² /W	9.7 °C cm ² /W	
thermal conductivity	0.6 W/m·K				0.9 W/m·K
temperature range	permanent up to 100 °C				permanent up to 150 °C
volume resistivity	5.2 x 10 ¹¹ Ωcm	3.9 x 10 ¹¹ Ωcm	3.8 x 10 ¹¹ Ωcm		2.5 x 10 ¹³ Ωcm
dielectric strength	37 kV/mm				55 kV/mm
peel strength at ambient temperature and 72h	5.8 N/cm	8.3 N/cm	9.8 N/cm	11.9 N/cm	6 N/cm
class of flammability	UL 746 C				UL 94 V-0