

Gel thermal conducting foils

- GEL silicone foils with especially high thermal conductivity
- balances non-planarities and differences in components (Gap Filler)
- soft, elastic and compressible
- cuts, punchings and special designs according to customer specifications

art. no.	material thickness [mm]	R _{th} (100 kPa) [°C in ² /W]	R _{th} (100 kPa) [°C cm ² /W]	art. no.	material thickness [mm]	R _{th} (100 kPa) [°C in ² /W]	R _{th} (100 kPa) [°C cm ² /W]
GEL 60 05	0.5 ±0.1	0.20	1.30	GEL 60 G 05	0.5 ±0.1	0.21	1.37
GEL 60 10	1.0 ±0.2	0.33	2.11	GEL 60 G 10	1.0 ±0.2	0.31	1.99
GEL 60 15	1.5 ±0.2	0.53	3.45	GEL 60 G 15	1.5 ±0.2	0.48	3.08
GEL 60 20	2.0 ±0.3	0.61	3.91	GEL 60 G 20	2.0 ±0.3	0.62	4.00
GEL 60 25	2.5 ±0.3	0.72	4.67	GEL 60 G 25	2.5 ±0.3	0.77	4.96

	GEL 60	GEL 60 G
version	standard	polyamide film mesh reinforced
thermal conductivity	6 W/m·K	
volume resistance	1·10 ⁶ MΩ/m	
hardness range	52 Shore 00	
temperature range	-60°C ... +200°C	
extensibility	80 %	
dielectric constant	6.4 [50 Hz]/6.4 [1 kHz]/6.4 [1 MHz]	
dielectric loss factor	0.035 [50 Hz]/0.005 [1 kHz]/0.001 [1 MHz]	
dielectric strength	13 kV/mm	
tightness	3.2 g/cm ³	
class of flammability	UL 94 V-0	
type of delivery	on both sides covered with protective foil/ plates, usable area 300x200mm/ other dimensions upon request	



- especially soft design
- levels smallest air gaps and unevennesses
- cuts and contours with cutouts according to customer specification

art. no.	material thickness [mm]	R _{th} (100 kPa) [°C in ² /W]	R _{th} (100 kPa) [°C cm ² /W]	art. no.	material thickness [mm]	R _{th} (100 kPa) [°C in ² /W]	R _{th} (100 kPa) [°C cm ² /W]
GEL 27 S 25	2.5	0.94	6.05	GEL 27 S 50	5.0	1.69	10.91
version:	standard						
thermal conductivity:	2.7 W/m·K						
volume resistance:	2·10 ⁷ MΩ/m						
hardness range:	53 Shore 00						
temperature range:	-60°C ... +200°C						
extensibility:	45 %						
dielectric strength:	15 kV/mm						
tightness:	3 g/cm ³						
class of flammability:	UL 94 V-0						
type of delivery:	on both sides covered with protective foil/ plates, usable area 300x200mm/ other dimensions upon request						