

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

	<b>GEL 60</b>	<b>GEL 60 G</b>
<b>version</b>	standard	polyamide film mesh reinforced
<b>thermal conductivity</b>	6 W/m·K	
<b>volume resistance</b>	1·10 <sup>6</sup> MΩ/m	
<b>hardness range</b>	52 Shore 00	
<b>temperature range</b>	-60°C ... +200°C	
<b>extensibility</b>	80 %	
<b>dielectric constant</b>	6.4 [50 Hz]/6.4 [1 kHz]/6.4 [1 MHz]	
<b>dielectric loss factor</b>	0.035 [50 Hz]/0.005 [1 kHz]/0.001 [1 MHz]	
<b>dielectric strength</b>	13 kV/mm	
<b>tightness</b>	3.2 g/cm <sup>3</sup>	
<b>class of flammability</b>	UL 94 V-0	
<b>type of delivery</b>	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 <sub>th</sub> (100 kPa) [°C in <sup>2</sup> /W]	R <sub>th</sub> (100 kPa) [°C cm <sup>2</sup> /W]	art. no.	material thickness [mm]	R <sub>th</sub> (100 kPa) [°C in <sup>2</sup> /W]	R <sub>th</sub> (100 kPa) [°C cm <sup>2</sup> /W]
<b>GEL 27 S 25</b>	2.5	0.94	6.05	<b>GEL 27 S 50</b>	5.0	1.69	10.91
<b>version:</b>	standard						
<b>thermal conductivity:</b>	2.7 W/m·K						
<b>volume resistance:</b>	2·10 <sup>7</sup> MΩ/m						
<b>hardness range:</b>	53 Shore 00						
<b>temperature range:</b>	-60°C ... +200°C						
<b>extensibility:</b>	45 %						
<b>dielectric strength:</b>	15 kV/mm						
<b>tightness:</b>	3 g/cm <sup>3</sup>						
<b>class of flammability:</b>	UL 94 V-0						
<b>type of delivery:</b>	on both sides covered with protective foil/ plates, usable area 300x200mm/ other dimensions upon request						

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