

## Gel thermal conducting foils



- highly heat-conductive silicoon foil
- smooth, elastic and compressible
- equals uneven surfaces very well (Gap-Filler)

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 05</b>	0.5 ±0.1	0.69	4.45	<b>GEL G 05</b>	0.5 ±0.1	0.63	4.04
<b>GEL 10</b>	1.0 ±0.2	1.03	6.64	<b>GEL G 1</b>	1.0 ±0.2	1.17	7.56
<b>GEL 15</b>	1.5 ±0.2	1.39	8.96	<b>GEL G 15</b>	1.5 ±0.2	1.59	10.27
<b>GEL 20</b>	2.0 ±0.3	1.52	9.78	<b>GEL G 2</b>	2.0 ±0.3	2.07	13.33
<b>GEL 25</b>	2.5 ±0.3	2.10	13.58	<b>GEL G 25</b>	2.5 ±0.3	2.61	16.81
<b>GEL 30</b>	3.0 ±0.3	2.35	15.15	<b>GEL G 3</b>	3.0 ±0.3	2.89	18.66
<b>GEL 35</b>	3.5 ±0.3	2.56	16.51	<b>GEL G 35</b>	3.5 ±0.3	3.35	21.63
<b>GEL 40</b>	4.0 ±0.4	3.25	20.95	<b>GEL G 4</b>	4.0 ±0.4	3.56	22.96
<b>GEL 45</b>	4.5 ±0.4	3.38	21.82	<b>GEL G 45</b>	4.5 ±0.4	3.89	25.10
<b>GEL 50</b>	5.0 ±0.5	3.52	22.70	<b>GEL G 5</b>	5.0 ±0.5	4.22	27.23

	<b>GEL</b>	<b>GEL G 05 - 25</b>	<b>GEL G 3 - 5</b>
<b>version</b>	standard	polyamide film mesh reinforced, adherent layer on one side	
<b>thermal conductivity</b>	1.5 W/m·K		
<b>volume resistance</b>	1·10 <sup>6</sup> MΩ/m		
<b>hardness range</b>	49 Shore 00		
<b>temperature range</b>	-60°C ... +200°C		
<b>extensibility</b>	100 %	60 %	
<b>dielectric constant</b>	5.8 [50 Hz]/ 5.6 [1 KHz]/ 5.5 [1 MHz]		
<b>dielectric loss factor</b>	0.048 [50 Hz]/ 0.015 [1 KHz]/ 0.003 [1 MHz]		
<b>dielectric strength</b>	14 kV/mm (AC)	8 kV/mm (AC)	
<b>tightness</b>	2.6 g/cm <sup>3</sup>		
<b>class of flammability</b>	UL 94 V-0	UL 94 V-1	UL 94 V-0
<b>type of delivery</b>	on both sides covered with protective foil/ plates, usable area 300x200mm/ cuttings on customer's requirements		