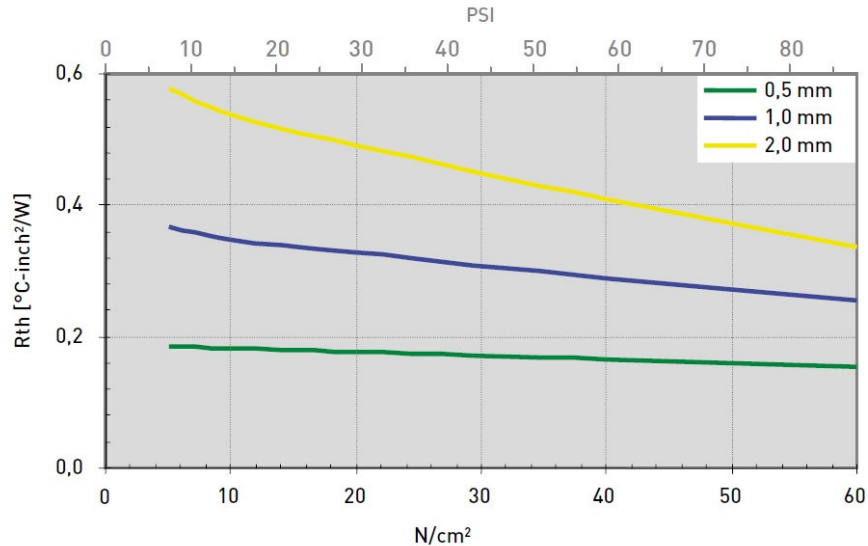
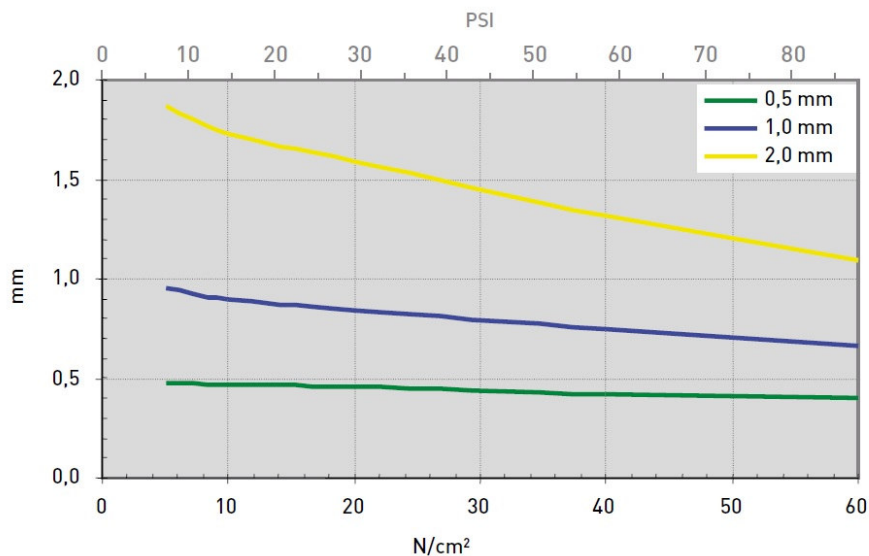




Technical Data Sheet

CMC TYPE		CMC 15308 (available in different thicknesses)		
Product description				
CMC 15308 is a silicone gap filler with extremely high thermal conductivity for thermal connection of e.g. SMD packages and capacitors in automotive applications, in medicine engineering, laptops and many more. CMC 15308 is electrically insulating and very resistant against ageing and the influence of chemicals. The natural tackiness of the silicone elastomer makes pre-assembly easy, and its softness and flexibility minimize thermal resistance already at low pressures.				
Material		silicone with ceramic fillers		
Thicknesses		0.5 mm 1.0 mm 2.0 mm		
Colour		grey		
Shore hardness (durometer OO)		55		
Flammability according to UL 94		V0		
Thermal properties				
Thermal conductivity		5.5 W/(m·K)		
Service temperature		from -60°C to +180°C		
Nominal thickness		0.5 mm	1 mm	2 mm
thermal resistance and thickness at 400 kPa		0.16 °C·in²/W 0.41 mm	0.30 °C·in²/W 0.75 mm	0.41 °C·in²/W 1.32 mm
thermal resistance and thickness at 200 kPa		0.18 °C·in²/W 0.46 mm	0.32 °C·in²/W 0.85 mm	0.49 °C·in²/W 1.59 mm
thermal resistance and thickness at 70 kPa		0.19 °C·in²/W 0.48 mm	0.36 °C·in²/W 0.93 mm	0.56 °C·in²/W 1.80 mm


 thermal resistance R_{th} vs. pressure for CMC 15308


thickness vs. pressure for CMC 15308

Electrical properties

Dielectric strength

10 kV/mm

Volume resistivity

 $1.0 \cdot 10^{13} \text{ Ohm} \cdot \text{cm}$
Other properties

 RoHS
compliant ✓

 REACH
compliant ✓

recommended storage cond.: cool and dry (15 - 25°C, < 65% rel. humidity)

09/22

quality guarantee: 12 months

Technical data represents average values subject to change without notice. It is not intended to replace users' testing.

 Note on REACH: Some of our products do contain substances from the so-called candidate list. Please visit <https://en.cmc.de/page/reach> and check whether or not a purchased product is listed in our REACH statement and therefore does contain one or more SVHCs.