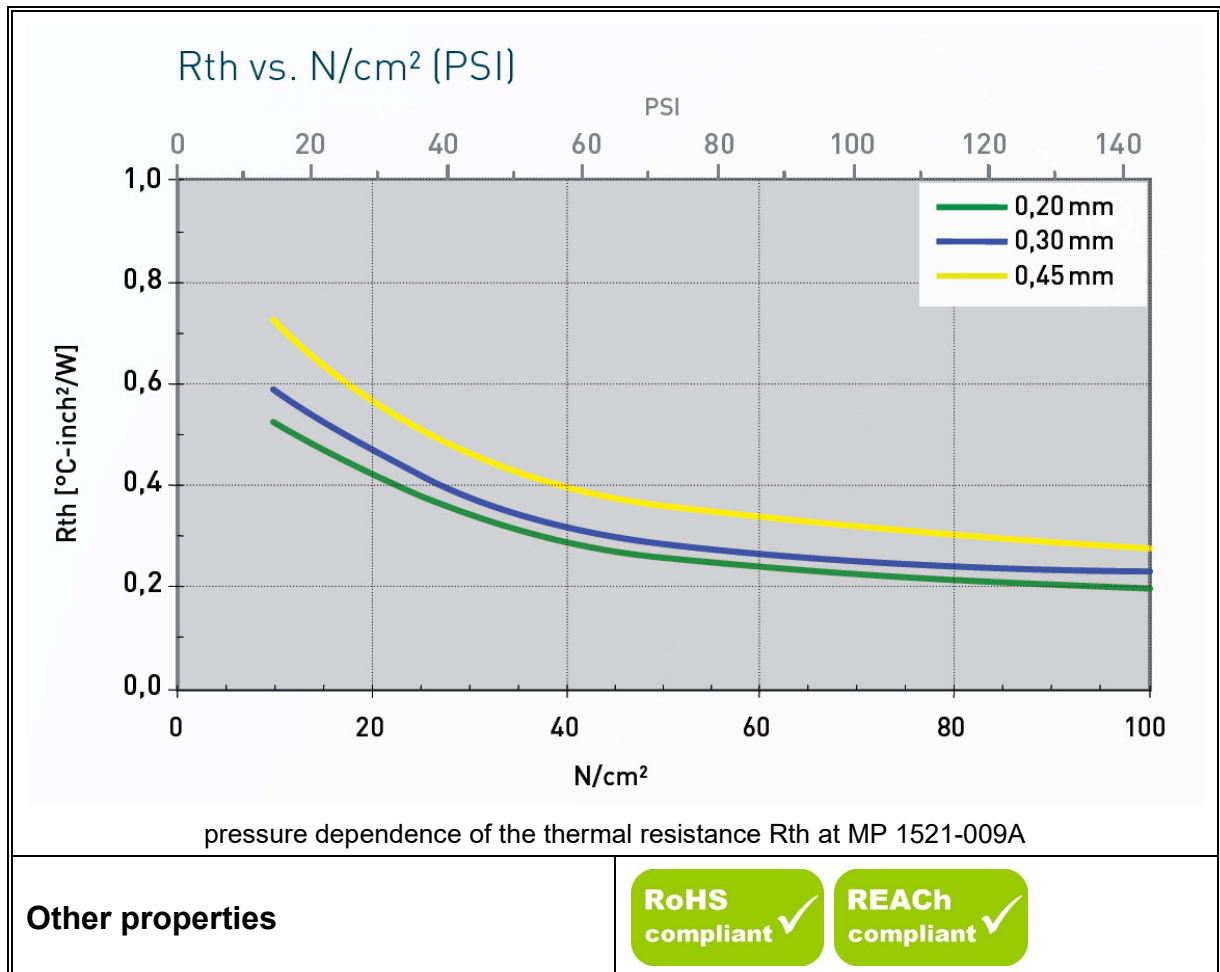




Technical Data Sheet

CMC TYPE	MP 1521-009A (available in different thicknesses)		
Product description			
MP 1521-009A is a non self-adhesive silicone film for thermal bonding of e.g. MOSFETs and IGBTs to cooling surfaces. It combines outstanding thermal conductivity with good electrical insulation, mechanical stability and easy handling. The silicone is resistant to aging and the surface is highly conformable to provide optimum thermal contact.			
Material	silicone with ceramic fillers, glass fiber reinforcement		
Thicknesses	0.20 mm	0.30 mm	0.45 mm
Colour	pink		
UL Flammability	V-0		
Thermal properties			
Thermal conductivity	6.0 W/(m·K)		
Service temperature	-40 to +180°C		
Nominal thickness	0.20 mm	0.30 mm	0.45 mm
thermal resistance and thickness at 1MPa	0.20 °C·in²/W	0.23 °C·in²/W	0.28 °C·in²/W
thermal resistance and thickness at 200 kPa	0.43 °C·in²/W	0.47 °C·in²/W	0.57 °C·in²/W
Electrical properties			
Nominal thickness	0.20 mm	0.30 mm	0.45 mm
Breakdown voltage according to ASTM D 149	5.0 kV AC	7.0 kV AC	10.0 kV AC
Volume Resistivity	4.8·10 ¹⁴ Ω·cm	6.4·10 ¹⁴ Ω·cm	1.1·10 ¹⁵ Ω·cm
Breakdown voltage according to ASTM D 149	3.3	2.9	3.1



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

05/23

Quality guarantee: 6 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.