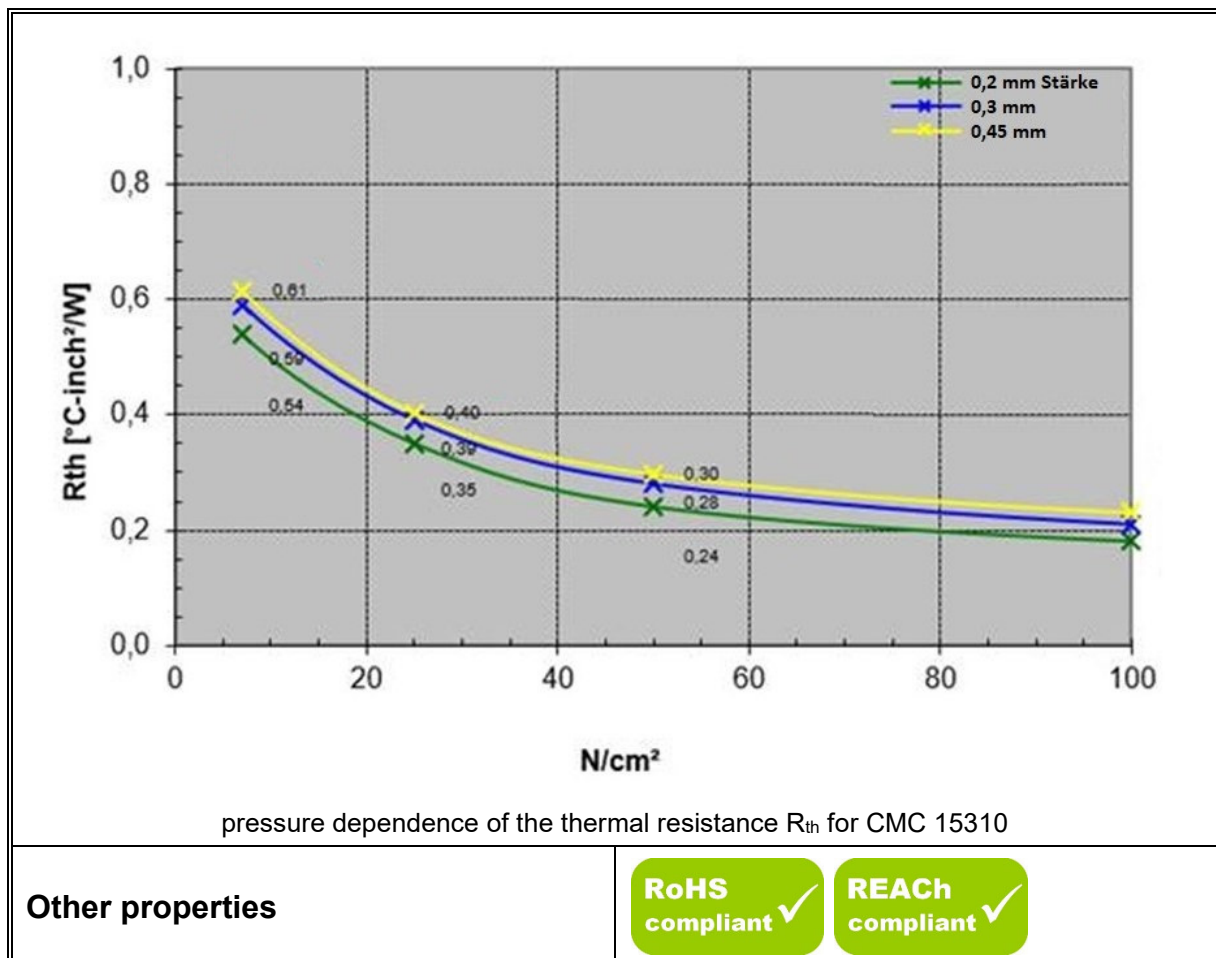




Technical Data Sheet

CMC TYPE		CMC 15310 (available in different thicknesses)		
Product description				
CMC 15310 is a one-sided 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 and acrylic adhesive coating on one side.		
Thicknesses (silicone film only)		0.20 mm 0.30 mm 0.45 mm		
Colour		white		
Adhesive thickness		0.05 mm		
Protective cover of the adhesive side		siliconized paper		
Thermal properties				
Service temperature		-50 to +150°C		
Nominal thickness (silicone film only)		0.20 mm	0.30 mm	0.45 mm
thermal resistance at 500 kPa		0.24 °C·in²/W	0.28 °C·in²/W	0.30 °C·in²/W
thermal resistance at 250 kPa		0.35 °C·in²/W	0.39 °C·in²/W	0.40 °C·in²/W
Thermal conductivity (silicone film only)		5.0 W/(m·K)		
Electrical properties				
Comparative Tracking Index (CTI)		0 (> 600 V)		
Nominal thickness (silicone film only)		0.20 mm	0.30 mm	0.45 mm
Breakdown voltage according to ASTM D 149		3.0 kV AC	6.0 kV AC	9.0 kV AC



Recommended storage cond.: room temperature
 relative humidity around 50%
 no direct exposure to sunlight

01/25

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://www.cmc.de/en/reach> and check whether or not a purchased product is listed in our REACH statement and therefore does contain one or more SVHCs.