

Features and Benefits

- 1.2W/m-K thermal conductivity
- Cost effective
- Naturally tacky
- Electrically isolating
- RoHS compliant



Typical Applications

- High speed mass storage devices
- RDRAM memory modules
- Heat pipe assemblies
- Cooling components to the chassis, frame or other types of heat spreader
- Motor controls
- Wireless communication hardware

Optional Configurations

- Can be die-cut into specific dimensions

TCR 200 is an economical gap filling material. It offers moderate thermal conductivity and compressibility. It is an ideal solution for cost-sensitive applications.

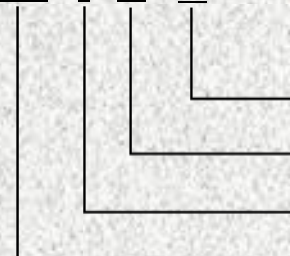
TCR 200 is RoHS compliant, halogen free and electrically non-conductive. It is naturally tacky and additional adhesive is generally not required.

Properties	TCR 200 Series	Test Method
Construction & Composition	Soft silicone elastomer	—
Color	Black / White / Pink / Blue / Yellow / White-Grey / Grey / Green	Visual
Thickness Range /inch (mm)	0.02~0.40" (0.508~10.16) in 0.01" (0.254) increments	—
Standard Sheet Size	12" x 16"	—
Density /g.cm ⁻³	1.76	—
Hardness /Shore 00	40	ASTM D2240
Tensile Strength /psi	34	ASTM D412
UL Flammability Rating	UL94 V0	E109346
Temperature Range /°C	-40~200°C	—
Thermal Conductivity W.m ⁻¹ .K ⁻¹	1.2	ASTM D5470 (modified)
Breakdown Voltage /V	6000	ASTM D149
Volume Resistivity /ohm.cm	3.0 x 10 ¹³	ASTM D257
Dielectric Constant @ 1MHz	5.0	ASTM D150
Shelf Life/Months	24	—
Please contact us for other special requirements		

Carrier Treatment	Criteria
Fiber Glass (FG)	Compulsory for ≤ 0.03" (0.75mm)
Rubberized Cloth (RC)	Not Recommended
Pressure Sensitive Adhesive (PSA)	Optional to all thickness
Detachable Adhesive (DA)	Optional to ≥ 0.039" (1.0mm)
Aluminum Foil (AL)	Not Recommended
Kapton (PI)	Not Recommended
Talc treatment (DAT)	Optional to all thickness

Product Code and Descriptions

TCR- 2 XX - XX



Optional Configuration:

- (a) FG = Fibreglass
- (b) A1 or 2 = Single or double-sided PSA
- (c) Custom dimensions
e.g. 11mmX12mmX13mmT

Thickness (mil)

- 00 = Custom thickness
- 04 = 40mil

2= 200 Series

TCR = TCR gap filling material

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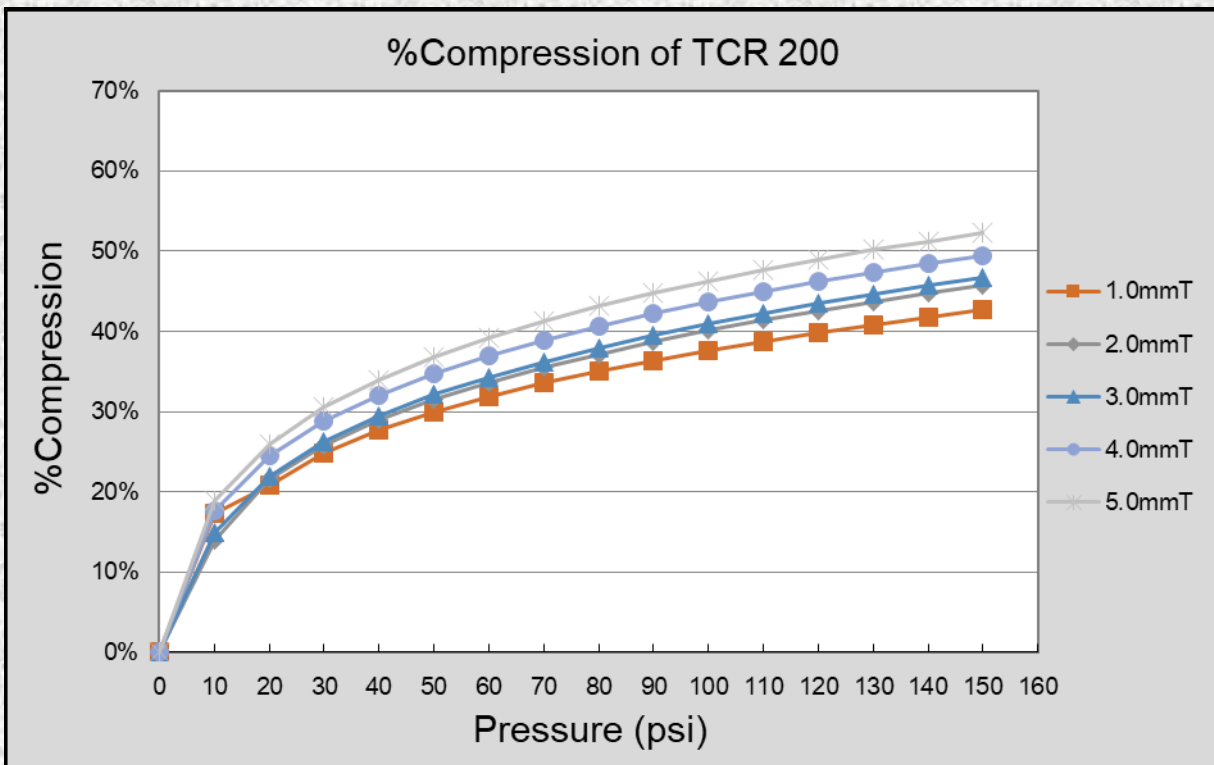
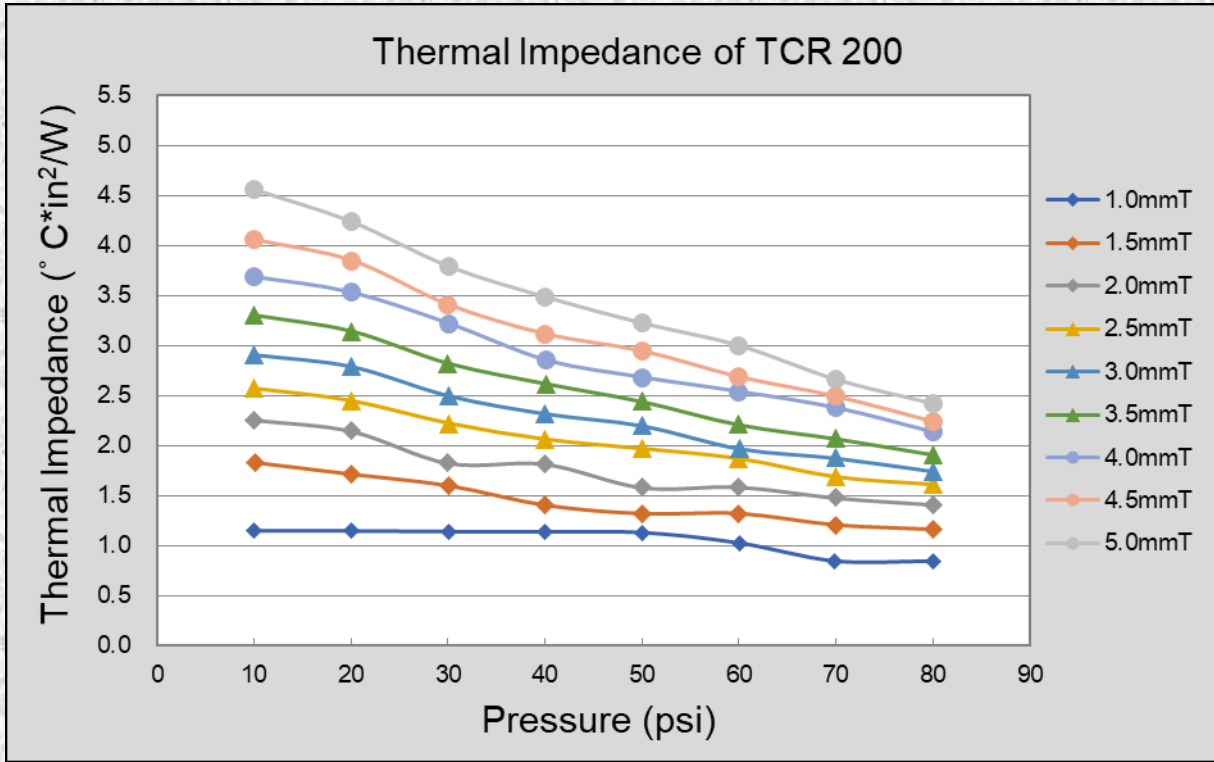
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