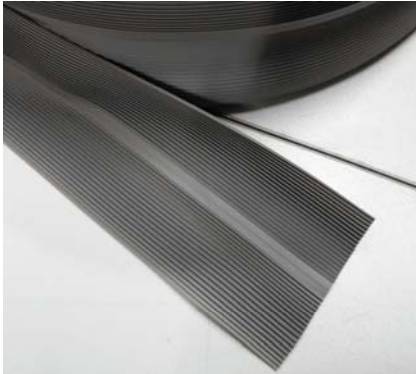


The TIS™100-08-1150 Series thermal conductive silicone extrusion insulation material is efficient insulation products, It also has thermal conductivity. It is used to add insulating silicone base material to the thermal conductivity material to achieve the effect of insulation and thermal conduction



Application

- › Power conversion equipment
- › Power semiconductors: T0 packages, MOSFETs & IGBTs
- › Audio and Video components
- › Automotive control units
- › Motor controllers
- › General high pressure interface

Feature

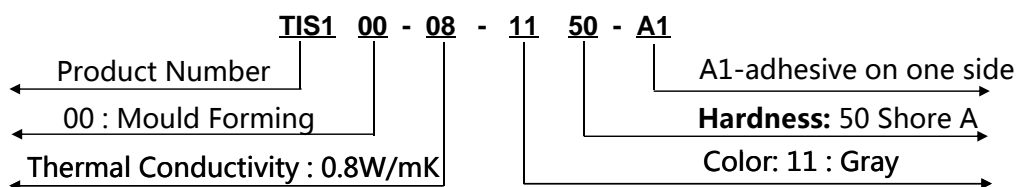
- › Good thermal conductive: **0.8W/mK**
- › High dielectric strength
- › Low thermal resistance with high voltage isolation
- › Resistant to tears and punctures

Typical Properties of TIS™100-08-1150 series

Product Name	TIS™100-08-1150	Test Method
Color	Gray	Visual
Construction & Composition	Ceramic filled silicone elastomer	***
Molding Method	Extrusion / Hot Pressing	ASTM D751
Specific Gravity	1.8 g/cc	ASTM D297
Heat Capacity	1 l/g-K	ASTM C351
Hardness	50 Shore A	ASTM 2240
Tensile Strength	450 psi / mm	ASTM D412
Continuous Use Temp	(-58 to 356°F) / (-50 to 180°C)	***
Dielectric Breakdown Voltage	>5000 VAC / mm	ASTM D149
Dielectric Constant	5.5 MHz	ASTM D150
Volume Resistivity	5.0X10 ¹³ Ohm-meter	ASTM D257
Flame Rating	UL 94V0	E331100
Thermal Conductivity	0.8 W/m-K	ASTM D5470

Product Identification

Example: TIS™100-08-1150-A1



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