TIR®26000-035 Series
High Performance Graphene Thermal Pads

TIR®26000-035 Series is mainly composed of thermal conductive fillers, and through process optimization, the fillers form a continuous heat transfer network in the polymer matrix, constructing efficient heat transfer channels and effectively improving thermal conductivity, which can meet the heat dissipation challenges of high-power density applications such as base stations and high-power chips. The material has low density, excellent resistance to compression deformation, and outstanding compression rebound characteristics, making it suitable for small assembly spaces while balancing production process efficiency and long-term product reliability.



Features

- 》Low thermal resistance
- 》High rebound
- 》Low-permeability oil
- 》Stable and reliable thermal performance

Applications

- 》Consumer Electronics
- 》Communication equipment
- 》Power devices
- 》Data Center

Typical Properties of TIR®26000-035 Series

Property	Value			Test Method
Color	Metallic Gray			Visual
Standard Size (mm)	90×90			ASTM D5947
Thickness (inch/mm)	0.020 0.50	0.040 1.00	0.080 2.00	ASTM D374
Density (g/cm^3)	≤1			ASTM D792
Recommended Operating Temperature (℃)	-40~125			ZKTM J025
Thermal Impedance (℃· in^2/W) @50psi	0.030	0.045	0.080	ASTM D5470
Rebound Resilience (%) @ Material thickness 2.0mm, compressed to 1.5mm	≥80			ZKTM L005
Compression Stress (psi) @50%	≤50			ASTM D575
Oil Bleed Rate (%)	≤1.5			ZKTM G030
RoHS2.0	Compliant			IEC 62321
REACH Standards	Compliant			EC 1907/2006
Halogen-free Requirement	Compliant			EN 14582

Storage Conditions

1.Store in a cool and dark place

2.Storage temperature: ≤ 35 ℃
Storage humidity: ≤ 75%

3.The stacking height should not exceed 7 layers, and the total height should not exceed 1 meter

Precautions

1.Please confirm that the product is in good condition before use

2. To remove, wipe with a regular or alcohol-based wet wipe

3.This product is conductive. Do not use as an electrical insulation material

Product Specifications

TIR® series can provide different thickness and size specifications,
For more information on thermal conductive materials, please contact our company

Product Identifier

TIR26 000 - 035

- Product Code
- Thickness: 20、40、80 mils
- Product Series

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