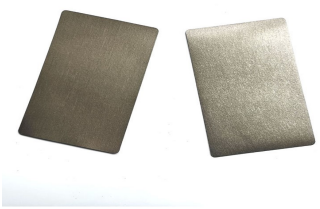
TIR®26000-120 Series
High Performance Graphene Thermal Pad

TIR®26000-120 Series is centered around a thermally conductive filler, which, through process control, forms a continuous arrangement within the polymer matrix, establishing an efficient heat transfer pathway and significantly enhancing thermal conductivity. This structural characteristic enables it to meet the cooling demands of high power density scenarios such as base stations and chips. Additionally, the gasket possesses low density and excellent resistance to compression deformation, making it suitable for assembly in confined spaces and contributing to improved process efficiency and long-term reliability.



Features

- 》Low thermal resistance
- 》Low-permeability oil
- 》Stable and reliable thermal performance
- 》Low density

Applications

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

Typical Properties of TIR®26012-120		
Property	**Value**	**Test Method**
Color	Metallic Gray	Visual
Standard Size (mm)	90×90	ASTM D5947
Thickness (inch/mm)	0.012 0.30	ASTM D374
Density (g/cm^3)	≤1	ASTM D792
Recommended Operating Temperature (℃)	-40~125	ZKTM J025
Thermal Impedance (℃· in^2/W) @50psi	≤0.009	ASTM D5470
Tensile Strength (kPa)	≥10.0	ASTM D412
Compression Stress (psi) @50%	≤65	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 012 - 120

- 120 — Product Code
- 012 — Thickness: 12 mils
- TIR26 — Product Series

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