EVSC800-PI-2-K6

Product Description

EVSC800-PI-2-K6 1.1 W/mK Thermal Film use polyimide film as the reinforcement carrier. This carrier is coated on both sides with a mixture of thermal conductive filler and silicone, efficiently conducting heat while providing high mechanical strength and excellent electrical insulation properties.

Product Illustration

Features and Benefits

- Non-oil-bleeding; easy to process
- Puncture-resistant; high voltage resistance
- Adhesive backing optional; flame retardant UL 94 V-0

Applications

- Power supplies
- Automotive electronics
- Communication equipment

(Standard sheet size 305mm x 305mm. Material may be cut per customer drawing.)

Properties	Unit	Value	Test Method
Color	-	Gray	Visual
Reinforcement Carrier	-	Polyimide	-
Thermal Conductivity	W/mK	1.1	ASTM D5470
Thickness	mm	0.15±0.02	ASTM D374
Tensile Strength	psi	35	ASTM D412
Standard Hardness	Shore A	90±5	ASTM D2240
Breakdown Voltage(@AC)	kV	＞ 4.0	ASTM D149
Dielectric Constant (@1MHz)	-	3.7	ASTM D150
Volume Resistivity	Ω·cm	$1*10^{12}$	ASTM D257
Operating Temp.	℃	-50 - 200	-
Flame Rating	-	V-0	UL94
RoHS	-	PASS	IEC 62321
Halogen	-	PASS	EN 14582
REACH	-	PASS	EN 14372

Test fixtures using ASTM D5470. Recorded values include interface thermal resistance. These values are for reference only. The actual application performance is directly related to the applied surface roughness, flatness and pressure.

Product Specifications: According to Customers' Requirements

Storage & Transportation: Store in a well-ventilated, cool, and dry place, away from open flames. This product is non-toxic and should be stored and transported as a non-hazardous material.

Packaging: Customized packaging according to customer requirements.

Shelf Life: 24 months

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