

THERMAL CONDUCTIVE TAPE – IS 55442 W

200 MICRON

PRODUCT DESCRIPTION

IS 55442 W Thermally Conductive Tape is designed to facilitate efficient heat transfer between heat-generating electronic components and cooling devices such as fans, heat sinks, or heat spreaders. This environmentally friendly tape is particularly useful for the thermal management of high-powered LEDs, enhancing the efficiency and reliability of electronic systems.

PRODUCT STRUCTURE



PRODUCT FEATURE

- **Flexible and Soft Surface:** Adapts easily to various surfaces.
- **Good Thermal Conductivity:** Ensures efficient heat transfer.
- **Voltage Resistance:** Offers reliable insulation and protection.
- **Environmentally Friendly:** Safe for various applications and conditions
- **Strong Adhesion:** Provides a secure bond between components and heat sinks.

PRODUCT APPLICATION

- **LED Lighting:** Enhances thermal management for high-powered LEDs.
- **Electronic Equipment:** Facilitates heat management in various electronic devices.
- **IC and Heat Sink Fixing:** Ensures secure attachment and efficient heat dissipation.
- **Chip and Heat Sink Adhesion:** Provides strong adhesion and effective thermal transfer.

PHYSICAL PROPERTIES

CHARACTERISTIC	UNIT	VALUE
COLOR	-	White Cloth Blue Liner
BACKING	-	Fiberglass Cloth
ADHESIVE TYPE	-	Solvent Based
THICKNESS	MICRON	200 ± 0.05
INITIAL TACK	STEEL BALL NO.	10
TENSILE STRENGTH	N/25MM	≥ 80
HOLDING POWER	H	N/A
PEEL ADHESION	N/25MM	≥ 8
ELONGATION	%	N/A
TEMPRATURE RESISTANT	°C	80 – 140
BREAKDOWN VOLTAGE	KV	1.5

Information in the above sheet is the average value of the tests, it should not be taken as the exact values of every single product. Customers have the obligation to check whether the product is suitable for their own applications.

STORAGE AND USAGE

Tape should be stored in dry, cool, shelter area and avoid direct sunlight, storage temperature under 40°C under correct storage conditions maintains its characteristics for two years.

NOTICE

- Please try a sample and make sure the tape is suitable for the application before use it.
- Customers who buy the jumbo rolls should stop the re-winding and slitting once find that there has quality problem with the jumbo. Contact us right away. If customers re-wind/cut the problematic jumbo into log/finished rolls, Instabiz Solutions India Pvt. Ltd. will not response to make any indemnity.
- Ideal tape application temperature is 8 to 38 Celsius. It is not suggested to use the tape below zero Celsius, because the adhesive will become too firm to adhere readily. However, once customers insist on using the tape under such a low temperature, please contact us, Instabiz Solutions India Pvt. Ltd. will adjust the adhesive, but Instabiz Solutions India Pvt. Ltd. doesn't guarantee anything.
- Firm application pressure helps develop better adhesive contact and improves bond strength, the bonding surfaces must be clean, dry and well unified. Seal completely when not use the tape, avoid expose the tape in the sunlight.
- Expiry date: Original packaging, 23 C & 60% humidity, 12 months after production date. If product is not kept under such temperature and humidity, jumbo/log rolls should be finished within four months, finished rolls should be finished within one month.
- All Instabiz Solutions India Pvt. Ltd. products are strict inspected before sent to customers, but the applications might be different between different customers, there may exist factors which are beyond Instabiz Solutions India Pvt. Ltd. knowledge and control, so customers should check the quality of every order before use the tape. If customers use the product without inspection, they must be responsible for the potential quality problems and economic loss. If the product is proved to be defective, the exclusive remedy, at Instabiz Solutions India Pvt. Ltd. option, shall be to refund the purchase price of or replace the problematic product.

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