

Technical Data Sheet

7410(R) Thermal White – Thermal Conductive Acrylic Rubber

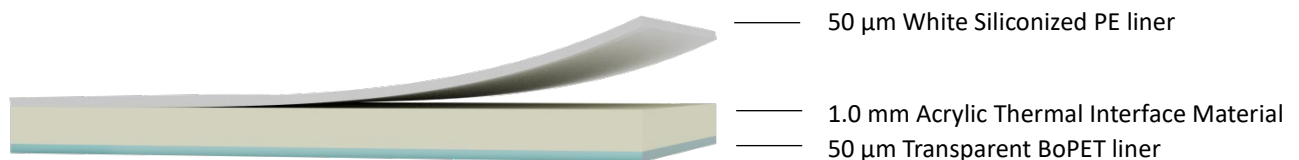
Product Description

CCL Olympic 7410(R)TW is an acrylic rubber based Thermal Interface Material with a thermal conductivity of 2.0 W/m·K. This silicone-free material is designed for an optimal balance between a slight tackiness for maximum contact and heat transfer, yet still allowing full repositionability.

Product Features

- 1.0 mm thick
- Thermal conductivity of 2.0 W/m·K
- Fully repositionable
- Slight Tack
- Electric Insulator
- Non-silicone base
- Slitted on request

Product Construction



Technical Information Note: The technical data below cannot be used for specification purposes but should be considered representative or typical only.

Available sizes

| Property | Value | Additional information |
|----------------------|---------|-------------------------|
| Standard roll length | 20 m. | Other lengths available |
| Effective roll width | 900 mm. | |
| Core size | 3 inch. | HIPS oversized |

Typical Product Properties & Test Conditions

| Property | Value | Method | Additional information |
|----------------------|----------------------------|-----------------|------------------------|
| Total tape thickness | 1.0 mm. | ASTM D3652 | |
| Thickness tolerance | 10% | | |
| Density | 1.9 g/cm ³ | Internal method | |
| Polymer Matrix | Rubber Acrylic | | |
| Carrier | No carrier | | |
| Color | Thermal White | | |
| Top liner | 50 µm White Siliconized PE | | |
| Bottom liner | 50 µm Transparent BoPET | | |

Typical Performance Characteristics

| Property | Value | Method | Additional information |
|--------------------------------|-----------|-----------------|------------------------|
| Shore Hardness A | 25 | ASTM D2240 | |
| Thermal conductivity | 2.0 W/m·K | ASTM D5470 | |
| Flammability | UL94 V-0 | UL94 | |
| DC Breakdown voltage | 28.0 kV | IEC 60243-2 | |
| Comparative Tracking Index | ≥600 V | IEC 60112 | |
| Minimum long term temperature | - 40 °C | Internal Method | |
| Maximum long term temperature | 150 °C | Internal Method | |
| Maximum short term temperature | 230 °C | Internal Method | |

Product Applications

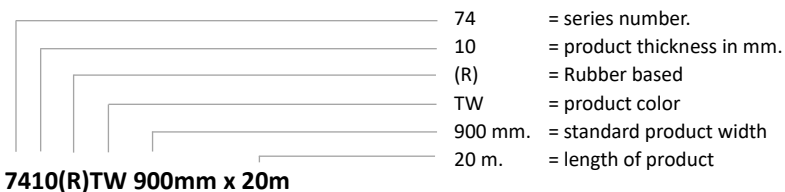
7410(R)TW is designed for applications in the electronic industry, including:

- LED assembly
- PCB assembly
- Mounting heat sinks and heat spreaders
- Battery pack assembly

Product code structure

The structure of our product code is as follows:

For example 7410(R)TW:



Custom Solutions

We can modify all our adhesive and mechanical properties for various solutions, such as peel, adhesion, shear, softness, impact resistance, tack, color, rigidity, flexibility, temperature resistance and even smell to create the solution that meets your exact specifications.

Additional Product Information

| | |
|---------------------------------|--|
| Product Application | The application surface should be clean and dry. In order to optimize performance, surface temperatures should be around room temperature. |
| Storage Conditions & Shelf Life | 7410(R)TW Olympic tapes must be stored between 10°C to 30°C, and 0-95% relative humidity. The optimum storage conditions are 22°C and 50% relative humidity and in original sealed packaging. If stored under recommended conditions, then this material will retain its specified performance criteria for 2 years. Performance of tapes is not projected to change even after shelf life expires, but it is recommended that the tapes be used within two years. |
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| RoHS | RoHS (Restriction of Hazardous Substances). Olympic hereby confirms that our products from series LBL, 1000, 3000, 5000, 7000, 8000 and 9000 comply with EU Directive 2011/65/EU (RoHS recast/RoHS 2), as amended by EU 2015/863. Official statement available on request. |
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