

Technical Data Sheet

7420(R) Thermal White – Thermal Conductive Acrylic Rubber

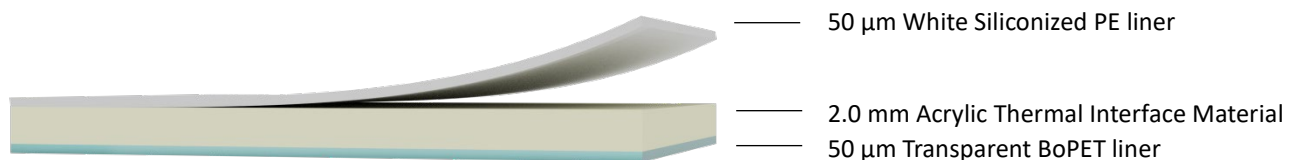
Product Description

CCL Olympic 7420(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

- 2.0 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	10 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	2.0 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	30 seconds delay
Thermal Conductivity	2.0 W/m·K	ASTM D5470	
Flammability	UL94 V-0	UL94	
DC Breakdown Voltage	41 kVDC	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

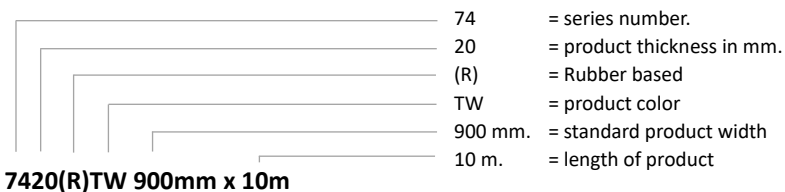
7420(R)TW is designed for applications in the electronic industry, including:

- 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 7420(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	7420(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.
REACH	CCL Olympic hereby confirms that in case of products from the series LBL, 1000, 3000, 5000, 7000, 8000 and 9000 we always observe the prescriptions of REACH (1907/2006/EC) regulation and the product(s) are fully compliant with the relevant regulation. Official statement available on request.
PFAS	At CCL Olympic, we want to reassure our customers that our products are entirely free of PFAS (Per- and Polyfluoroalkyl Substances), underscoring our commitment to product safety and environmental responsibility. Official statement available on request.
ISO	CCL Olympic is ISO9001 and ISO14001 certified.

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