

# Technical Data Sheet

## 11018 Transparent Acrylic Adhesive Tape

### Product Description

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CCL Olympic 11018 is a double sided, transparent, acrylic adhesive tape that is specifically designed for applications that require an ultra-thin yet extremely strong bonding solution such as mobile electronics and displays. The tape is supplied between a durable polyester release liner and a polyethylene cover film, ensuring effortless handling and application. Its high level of transparency make it especially well-suited for seamlessly bonding transparent materials like glass and plastics.

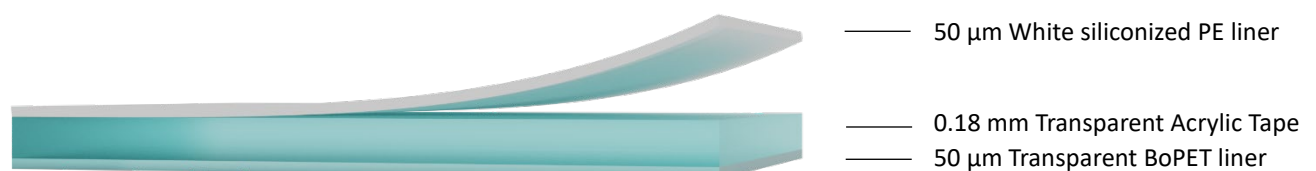
### Product Features

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- High performance double sided pressure sensitive adhesive tape
- Unique visco-elastic nature ensures a strong bond which can absorb shocks and stress
- 0.18 mm thick
- Ideal for seamless bonding
- Long-lasting bond for indoor and outdoor applications
- The adhesives have an excellent solvent, plasticizer, and moisture resistance.
- Slitted on request

### Product Construction

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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	66 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	0.18 mm.	ASTM D3652	
Thickness tolerance	15%		
Density	0.93 g/cm <sup>3</sup>	Internal method	
Adhesive type	Soft Acrylic		
Color	Transparent		
Top liner	50 µm White Siliconized PE		
Bottom liner	50 µm Transparent BoPET		

## Typical Performance Characteristics

Property	Value	Method	Additional information
90° peel adhesion, initial	17 N/cm	ASTM D3330	Stainless Steel 20 min. dwell time
90° peel adhesion, final	22 N/cm	ASTM D3330	Stainless Steel 72 hrs. dwell time
90° peel adhesion, final	16 N/cm	ASTM D3330	PMMA 72 hrs. dwell time
Static shear (20°C)	1500 G	ASTM D3654	
Static shear (90°C)	500 G	ASTM D3654	
Dynamic shear	1475 kPa	ASTM D1002	Shear rate: 12.7 mm/min
Minimum long term temperature	- 40 °C	Internal Method	
Maximum long term temperature	150 °C	Internal Method	
Maximum short term temperature	200 °C	Internal Method	

## Additional information of test method

- 90° peel adhesion according to ASTM D3330. Stainless steel substrate, aluminum backing. 72-hour dwell time at room temperature. Listed value is average value force to remove adhesive at room temperature.
- Static shear according to ASTM D3654. Stainless steel substrates, 0.5 sq.in. (3.23 sq.cm.), 24-hour dwell time at room temperature. The adhesive will hold its listed weight for 10,000 minutes (approximately seven days) at the listed temperature.
- Long term maximum temperature is the temperature at which the adhesive will hold 250 grams under static load (10,000 minutes).
- Short term maximum temperature is the temperature to which the adhesive can be exposed for four hours with a static load of 100 grams.

## Product Applications

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11018 is suitable for a range of applications including:

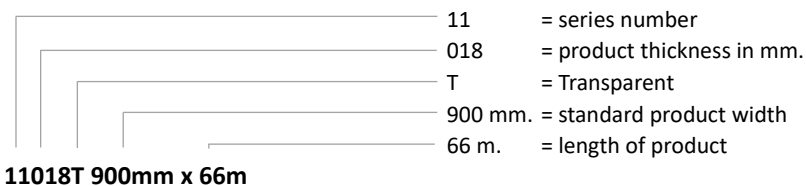
- Automotive wheel trims, mirrors and tread plates
- Joining transparent material
- Outdoor signage and window grilles
- Bond lens window to housing
- White goods
- Mobile electronics bezel bonding
- Component mounting

## Product code structure

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The structure of our product code is as follows:

For example 11018T:



## Custom Solutions

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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

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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	11018 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 <b>LBL, 1000, 3000, 5000, 7000, 8000 and 9000</b> comply with EU Directive 2011/65/EU (RoHS recast/RoHS 2), as amended by EU 2015/863. Official statement available on request.
REACH	Olympic hereby confirms that in case of products from the series <b>LBL, 1000, 3000, 5000, 7000, 8000 and 9000</b> 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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