

Technical Data Sheet

5416 Gray LSE Acrylic Foam Tape
5416 White LSE Acrylic Foam Tape

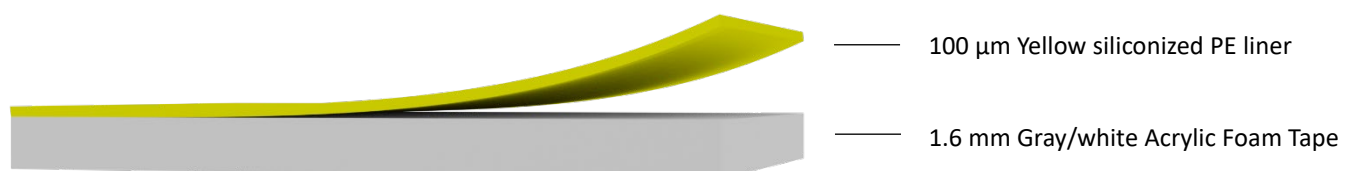
Product Description

CCL Olympic 5416 is a 1.6 mm thick modified acrylic foam tape which is specifically designed for excellent adhesion to low- and medium surface energy substrates. This tape is unique in that it can be applied directly to materials like PP and automotive paint, without the need for a pre-treatment thereby saving both time and expenses associated with the application of adhesion promoters.

Product Features

- Ultra-strong bond to PP
- Primerless adhesion
- Superb bonding to automotive paints
- 1.6 mm thick
- Excellent temperature resistance
- UV-resistant
- 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	33 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	1.5 mm.	ASTM D3652	
Thickness tolerance	10%		
Density	0.60 g/cm ³	Internal method	
Adhesive type	Conformable Acrylic		
Color	Gray or white		
Liner type	Siliconized PE		
Liner thickness	100µm		
Color liner	Yellow		

Typical Performance Characteristics

Property	Value	Method	Additional information
90° peel adhesion	35 N/cm	ASTM D3330	Stainless Steel 20 min. dwell time
90° peel adhesion	25 N/cm	ASTM D3330	Polypropylene 20 min. dwell time
90° peel adhesion	60 N/cm	ASTM D3330	Stainless steel 72 hrs. dwell time
90° peel adhesion	35 N/cm	ASTM D3330	Polypropylene 72 hrs. dwell time
Static shear (20°C)	1500 G	ASTM D3654	
Static shear (90°C)	300 G	ASTM D3654	
Dynamic shear	450 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	230 °C	Internal Method	

Additional information 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

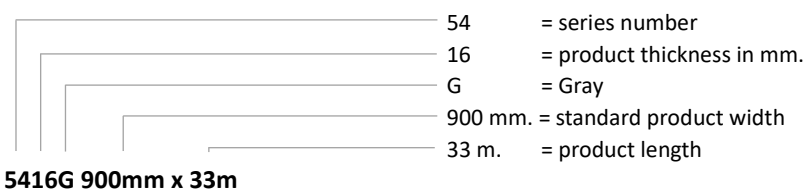
5416 is suitable for a range of applications including:

- Automotive interior and exterior trim attachment
- Outdoor signage and window grilles
- White goods
- Mobile electronics bezel bonding
- Component mounting

Product code structure

The structure of our product code is as follows:

For example 5416G:



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	5416 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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