

# Technical Data Sheet

5406 Gray LSE Acrylic Foam Tape  
5406 White LSE Acrylic Foam Tape

## Product Description

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CCL Olympic 5406 is a 0.6 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.

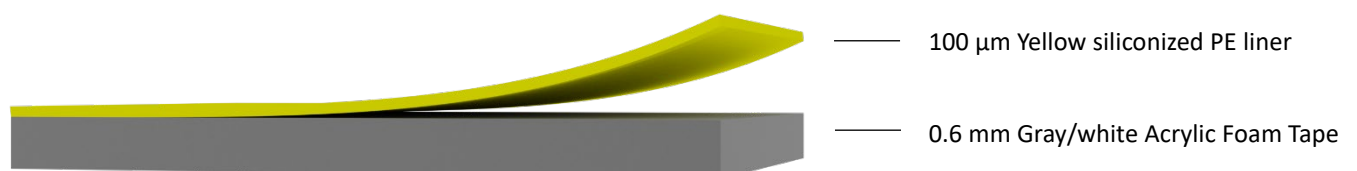
## Product Features

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- Ultra-strong bond to PP
- Primerless adhesion
- Superb bonding to automotive paints
- 0.6 mm thick
- Excellent temperature resistance
- UV-resistant
- 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	0.6 mm.	ASTM D3652	
Thickness tolerance	15%		
Density	0.60 g/cm <sup>3</sup>	Internal method	
Adhesive type	Conformable Acrylic		
Color	Gray/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	8 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	30 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	1125 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

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5406 is suitable for a range of applications including:

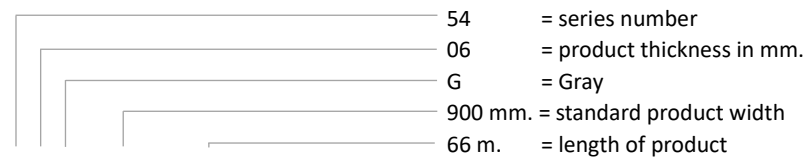
- Automotive interior and exterior trim attachment
- Outdoor signage and window grilles
- White goods
- Mobile electronics bezel bonding
- Component mounting

## Product code structure

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The structure of our product code is as follows:

For example 5406G:



**5406G 900mm x 66m**

## 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	5406 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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