

Technical Data Sheet

3211 Gray Acrylic Foam Tape
3211 White Acrylic Foam Tape

Product Description

CCL Olympic 3211 is a 1.1 mm. thick, acrylic foam tape that is often used in automotive and industrial applications.

Its inherent conformal properties enable meticulous converting, providing a superior bonding solution for applications that demand the utmost precision. The multi-purpose acrylic adhesive demonstrates exceptional bonding to a wide variety of materials including metals, glass, ceramics and plastics treated with corona, plasma or a primer. In many applications, CCL Olympic 3211 can be used to replace mechanical fasteners such as rivets, screws, welds or liquid adhesives.

This product is gray(G) or white(W) in color.

Product Features

- High performance double sided pressure sensitive adhesive tape
- Conformable
- Easy to die-cut
- Unique visco-elastic nature ensures a strong bond which can absorb shocks and stress
- 1.1 mm thick
- Long-lasting bond for indoor and outdoor applications
- The adhesives have an excellent solvent, plasticizer, and moisture resistance.
- Slitted on request
- 100% closed cell structure

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 | 1.1 mm. | ASTM D3652 | |
| Thickness tolerance | 10% | | |
| Density | 0.64 g/cm ³ | Internal method | |
| Adhesive type | Conformable Acrylic | | |
| Color | Gray/White | | |
| Liner type | PE | | |
| Liner thickness | 140 µm | | |
| Color liner | Red | | |

Typical Performance Characteristics

| Property | Value | Method | Additional information |
|--------------------------------|---------|-----------------|---------------------------------------|
| 90° peel adhesion, initial | 21 N/cm | ASTM D3330 | Stainless Steel 20 min. dwell time |
| 90° peel adhesion, final | 39 N/cm | ASTM D3330 | Stainless Steel 72 hrs. dwell time |
| 90° peel adhesion, final | 19 N/cm | ASTM D3330 | PMMA 72 hrs. dwell time |
| Static shear (20°C) | 1500 G | ASTM D3654 | |
| Static shear (90°C) | 250 G | ASTM D3654 | |
| Dynamic shear | 485 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 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

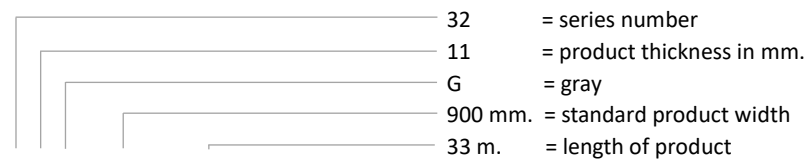
3211 is suitable for a range of applications including:

- Automotive wheel trims, mirrors and tread plates
- 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 3211G:



3211G 900mm x 33m

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 | 3211 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. |
| Conflict Minerals | Conflict Minerals refers to illegal mining of minerals or other derivatives (Tin, Tantalum, Tungsten and Gold) mined in the provinces of the DRC (Democratic Republic of Congo). CCL-Olympic does not use Tin, Tantalum, Tungsten or Gold, or any derivative thereof, for the production of any of their products. Official statement available on request. |
| 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 | 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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