



ENGLISH

Datasheet

RS Pro Double Sided Foam Tape

RS Stock No: 125-4307



Product Description

The RS Pro double coated acrylic foam tape on a red filmic liner. The tape is conformable which allows excellent adhesion to uneven surfaces, an excellent all-rounder that will bond well to metals, some plastics and some coated materials including Powder Coat and Aluminium Composite Material (ACM).

Characteristics

Colour	Grey
Thickness	1.1mm (+-10%)
Adhesive Type	High Strength Acrylic
Foam Carrier	Acrylic
Liner	Red Filmic

Performance Characteristics

180-degree peel	Speed: 300mm +/-10mm/ Minute Tape width: 10mm Backing: 25-micron polyester film	RT x 2hrs – 1900 gf/10mm RT x 24hrs – 2200 gf/10mm 80° x 250hrs – 2300 gf/10mm -20° x 250hrs – 1800 gf/10mm
Static Shear	Static shear measured at various temperatures and gram loads on stainless steel. To pass the load must remain for 7 days.	3.22cm ² overlap 23° - 1500g – Passed 93° - 500g - Passed
Dynamic Shear	Speed: 200mm +/-10mm/minute Overlap: 1cm ² Backing: 75 micron polyester film	RT x 2hrs – 7.9 kgf/cm ² RT x 24hrs – 8.1 kgf/cm ² RT x 48hrs – 8.2 kgf/cm ² RT 100% RH x 250hrs–7.9 kgf/cm ² 80° x 250hrs – 8.2 kgf/cm ²
Temperature Resistance	Parts joined and allowed to dwell for 1hr at 40° C. 500g weight hung from 4cm ² overlap and exposed to temperature. Temperature raised 3°C every 5 minutes.	Stainless steel substrate Polyester backing. Passed to 120°C

Application methods

Bond strength depends upon the amount of adhesive to surface contact developed whilst joining parts. Firm, even pressure is recommended.

To obtain consistent and strong bonds you must ensure all surfaces are clean, dry and well unified. Cleaning with isopropanol alcohol and water would be recommended for most applications. Please take care when using solvents, refer to manufacturers instructions for use.

Ideal application temperature is 23°C. If the temperature is below 10°C application is not recommended as the adhesive will not flow as freely rendering the bond strength inadequate. Once applied and allowed to dwell for 24 hours holding power in lower temperatures is generally satisfactory.

Other methods include the use of abrasives and primers.

Applications

The double sided foam tape is a fantastic all-rounder bonding well to most high and medium surface energy materials with correct preparation.

Applications include:

Painted rail to ACM materials in the signage industry.

Stiffener bars to large panels in the speciality vehicle market.

Glazing bars or muntin bars to glass in the construction industry.

Shelf Life: 24 months from date of manufacture if stored at 21°C to 38°C (69°F-100°F) and 50% relative humidity.