



ENGLISH

Datasheet

RS Pro Double Sided Foam Tape

RS Stock No: 125-4309



Product Description

RS Pro crystal clear double sided 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 and some plastics. Strong resistance to UV and no VOC making the products environmentally friendly.

Characteristics

Colour

Chrystal clear

Thickness

1.0mm (+-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 – 1200 gf/10mm RT x 24hrs – 1400 gf/10mm 80° x 250hrs – 1500 gf/10mm -20° x 250hrs – 1100 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 – 6.9 kgf/cm ² RT x 24hrs – 7.2 kgf/cm ² RT x 48hrs – 7.4 kgf/cm ² RT 100% RH x 250hrs–7.8 kgf/cm ² 80° x 250hrs – 7.6 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 crystal clear tape bonds well to most high and medium surface energy substrates.

Applications include:

Glass to frame application where an invisible bond is required.

Component parts to polycarbonate or clear acrylic.

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.