

PRODUCT SPECIFICATION

S290500 Clear 0.5mm ACRYLIC FOAM TAPE

S290500 is a clear permanent bonding adhesive with a thickness of 0.5mm.

LINER OPTIONS

- **S290500S** - RED filmic easy-release
- **S290500A** - White PE paper
- **S290500R** - Red film non-silicone

TYPICAL APPLICATIONS

The S290500 is particularly suitable for bonding plastics, polycarbonate, aluminium, glass and powdercoated metals. It is unaffected by UV, water resistant and suitable for long-term bonding applications, indoor and outdoor.

APPLICATION TEMPERATURE

Minimum 15°C; R.H. 55%±10% (ideally between 21°C and 40°C).

PHYSICAL PROPERTIES

Technical Descriptions	Unit	Value
Backing		Extruded acrylic resin
Colour		Clear
Adhesive Coating		None
Thickness	mm	0.5mm
Elongation	%	900 ± 100

TECHNICAL PROPERTIES

90° Peel Adhesion – ASTM D-3330

Technical Descriptions	Unit	Value
After 20 Minutes	gram/25mm	3600
After 24 Hours	gram/25mm	4500
After 72 Hours	gram/25mm	5500

Dynamic Shear

(50mm/min., 25mm x 25mm) – ASTM D-3654

Technical Descriptions	Unit	Value
SUS 304	kg/25mmx25mm ²	45
PVC Plate	kg/25mmx25mm ²	33
ABS Plate	kg/25mmx25mm ²	33

Tensile Strength

(50mm/min., 25mm x 25mm 24Hr) – ASTM D-1002

Technical Descriptions	Unit	Value
SUS-304 (T-Block)	kg/25mmx25mm ²	45

Other Properties

Technical Descriptions	Unit	Value
Static Shear (Falling time of 25mm x 25mm tape with 1kg weight at 80°C)	minute	>10000
Service Temperature Min	°C	-20
Service Temperature Max	°C	+180

USER RECOMMENDATIONS

Prior to application the surface should be made dry and free of any dirt, dust and grease (50:50 IPA). Use sufficient pressure over the whole surface at room temperature to ensure maximum adhesive to surface contact.

Whilst applying pressure, temporarily increasing temperature of adhesive and substrate immediately after application can reduce the time it takes to reach optimum bond strength (up to 60°C for 1 hour).

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