



JR TECHNOLOGY
LIMITED

REINFORCED PLASTICS & COMPOSITES
PRODUCTION ENGINEERS

FLOW-STOP DSM
High Temperature
Adhesive Tape

TECHNICAL DATA SHEET

PRODUCT NAME	: Flow-Stop DSM
DESCRIPTION	: Transparent Double Sided Adhesive Tape
CARRIER	: Long Fibre Paper Tissue
ADHESIVE	: Acrylic
LINER	: Silicone Paper
TOTAL TAPE THICKNESS	: 0.17mm
TEMPERATURE RANGE	: -50 to +140°C (200°C short term)
AGEING RESISTANCE	: Very Good

ADHESION PERFORMANCE:

Adhesion Strength AFERA 4001	:23 N /25 mm
Shear Strength AFERA 4012	:At 23°C 1400 g / 25 mm ²
Relative Adhesion	:Very Good

WIDTHS:

This product can be supplied in standard & non-standard widths.

APPLICATION DETAILS:

A double sided tape with a high degree of contact adhesion, making it particularly suitable for the adhesion of components to base plates & other forms of tooling whilst being machined or shaped, EPMD & industrial textiles.

SURFACE PREPARATION:

It is essential, as with all pressure sensitive tapes, that the surfaces to which the tape is applied be clean, dry and free of grease & oil.

STORAGE AND SHELF LIFE:

One year stored at 21°C (70°F), 50% relative humidity, out of direct sunlight.



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SINGLE SIDED TAPE – There are four grades covering a temperature range between 125-300°C; given the following classifications:-

- (1). FLOW-STOP LT - A polyester base with a non-silicone adhesive capable of withstanding temperatures of 125-140°C for prolonged periods & up to 160°C for shorter times.
- (2). FLOW-STOP L - A polyester base with a non-transferring silicone adhesive capable of withstanding temperatures of 140°C for prolonged periods & up to 200°C for shorter times.
- (3). FLOW-STOP M - A polyester base with a non-transferring silicone adhesive capable of withstanding temperatures of 200°C & above for prolonged periods.
- (4). FLOW-STOP H - A polyimide base with a non-transferring silicone adhesive capable of withstanding temperatures of 300°C.

A pure PTFE based product can also be supplied for temperatures up to 260°C.

DOUBLE SIDED TAPE – There are two types covering a temperature range of between 60-150°C; given the following classifications:-

- (1). DOUBLE SIDE FLOW-STOP L - A PP base with a clear synthetic rubber adhesive capable of withstanding temperatures up to 80°C.
- (2). DOUBLE SIDED FLOW-STOP M - A tissue base with a non-silicone adhesive capable of withstanding temperatures up to 200°C.

All of these offer medium to high tack performance & can be used for a variety of operations, such as:- reducing flash on components during moulding, holding items & tooling in place when using pre-impregnated moulding materials & the adhesion of components to base plates & other forms of tooling whilst being machined or shaped. Available in a variety of widths although nominally 12 to 1000 mm wide x 66 lm rolls.

NOTE.- This information is given in good faith, but the supplier cannot be responsible for the performance of the products because of the specialist nature of the various applications & conditions to which the materials can be exposed.



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FLOW-STOP L
High Temperature
Adhesive Tape

TECHNICAL DATA SHEET

PRODUCT NAME	: FLOW-STOP L
DESCRIPTION	: Single Sided Adhesive Tape (Blue)
CARRIER	: 0.025mm Blue Polyester Film
ADHESIVE	: Organic / silicone
TAPE THICKNESS	: 0.05 mm
LINER THICKNESS	: ---
TEMPERATURE RANGE	: 130°C Maximum
ELONGATION	: 90 %

ADHESION PERFORMANCE:

Adhesion To Steel	: 90 N / 25 mm
Tensile Strength	: 113 N / 25 mm

APPLICATION DETAILS:

Flow-Stop L is an excellent area mask with a high degree of conformity. It can be used for reducing flash on components during moulding, holding items & tooling in place & the adhesion of components to base plates & other forms of tooling whilst being machined or shaped.

SURFACE PREPARATION:

It is essential, as with all pressure sensitive tapes, that the surfaces to which the tape is applied be clean, dry & free of grease & oil.

STORAGE AND SHELF LIFE:

One year stored at 21°C (70°F), 50% relative humidity, out of direct sunlight.

IMPORTANT:

This information is based on our best current knowledge & is intended as a general guide to product performance. It is not a warranty or a specification & the customer must determine that the material is suitable for their particular purpose before use.



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