



JR TECHNOLOGY  
LIMITED

REINFORCED PLASTICS & COMPOSITES  
PRODUCTION ENGINEERS

FLOW-STOP DSM  
High Temperature  
Adhesive Tape

## TECHNICAL DATA SHEET

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

### ADHESION PERFORMANCE:

Adhesion Strength AFERA 4001	:23 N /25 mm
Shear Strength AFERA 4012	:At 23°C 1400 g / 25 mm <sup>2</sup>
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.



J R TECHNOLOGY LIMITED, 81 NORTH END, MELDRETH, ROYSTON, HERTS. SG8 6NU, UK  
Tel.- +44 (0)1763 260721 Fax.- +44 (0)1763 260809  
e-mail.- enquiries@jrtech.co.uk Website.- www.jrtech.co.uk

JRTD0200/01



JR TECHNOLOGY  
LIMITED

REINFORCED PLASTICS & COMPOSITES  
PRODUCTION ENGINEERS

FLOW-STOP  
High Temperature  
Adhesive Tapes

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.



J R TECHNOLOGY LIMITED, 81 NORTH END, MELDRETH, ROYSTON, HERTS. SG8 6NU, UK  
Tel.- +44 (0)1763 260721 Fax.- +44 (0)1763 260809  
e-mail.- enquiries@jrtech.co.uk Website.- www.jrtech.co.uk

JRTD0180/01



JR TECHNOLOGY  
LIMITED

REINFORCED PLASTICS & COMPOSITES  
PRODUCTION ENGINEERS

FLOW-STOP L  
High Temperature  
Adhesive Tape

## TECHNICAL DATA SHEET

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

### 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.



JR TECHNOLOGY LIMITED, 81 NORTH END, MELDRETH, ROYSTON, HERTS. SG8 6NU, UK  
Tel.- +44 (0)1763 260721 Fax.- +44 (0)1763 260809  
e-mail.- enquiries@jrtech.co.uk Website.- www.jrtech.co.uk

JRTD0190/01