

Data Sheet

FLASHBREAKER® 1, 2 & 5

All-purpose high temperature pressure sensitive tape

DESCRIPTION

Flashbreaker® tapes are high temperature/ high tensile strength polyester films coated with a pressure sensitive silicone adhesive for oven or autoclave cures up to 204°C (400°F). Flashbreaker® pressure sensitive tapes are used for multi-purpose functions in metal bond and composites, such as holding down vacuum bagging materials, thermocouple wires, masking-off, chem-milling protection or in riveting shops. Flashbreaker® tapes remove easily after cure.

BENEFITS

- Flashbreaker® tapes can control bond lines and make removal of resin flash easier, reducing clean up effort.
- Fix position of consumable materials to avoid process errors and improve part quality.
- High visibility orange colour makes removal easier to inspect and reduces risk of leaving tape in place.

TECHNICAL DATA

| | Flashbreaker® 1 | Flashbreaker® 2 | Flashbreaker® 5 |
|-------------------------|--|---------------------|---------------------|
| Maximum use temperature | 204°C (400°F) | 204°C (400°F) | 204°C (400°F) |
| Carrier type | Polyester | Polyester | Polyester |
| Adhesive type | Silicone | Silicone | Silicone |
| Elongation at break | 100% | 100% | 120% |
| Colour | Blue / Orange | Blue / Orange | Blue / Orange |
| Total thickness | 55 µm (0.0022 inch) | 83 µm (0.0033 inch) | 175 µm (0.007 inch) |
| Film thickness | 25 µm (0.001 inch) | 50 µm (0.002 inch) | 125 µm (0.005 inch) |
| Adhesive thickness | 30 µm (0.0012 inch) | 33 µm (0.0013 inch) | 50 µm (0.002 inch) |
| Shelf life | 18 months from date of shipment when stored in original packaging at 22°C (72°F) | | |

SIZES

| Flashbreaker® 1 | Flashbreaker® 2 | Flashbreaker® 5 |
|---|---|---|
| 2.54cm-66m (1"-72 yards) 60 rolls/case | 2.54cm-66m (1"-72 yards) 48 rolls/case | 2.54cm-33m (1"-36 yards) 48 rolls/case |
| 5.08cm-66m (2"-72 yards) 30 rolls/case | 5.08cm-66m (2"-72 yards) 24 rolls/case | 5.08cm-33m (2"-36 yards) 24 rolls/case |
| Up to 50.8cm-66mm (20"-72 yards) | Up to 50.8cm-66mm (20"-72 yards) | Up to 50.8cm (20"-36 yards) |

- Also available in Cut Strip form on special order
- Custom shapes and sizes are available, please contact Airtech for more information.
- Flashbreaker Tapes are available with a liner with special order, lead time and minimums will apply.

SUSTAINABILITY



NOTES

- The maximum use temperature is dependent upon the duration at maximum temperature and is process specific, Airtech recommends testing prior to use.