Atsite™ 201-2538

1. COMPOSITION

The tapes of 201 family are pressure sensitive adhesive tapes made of flame retardant PI film coated on one side with silicone adhesive. Tape 201-2538 is made of 25my PI film and 38my silicone adhesive.

2. GENERAL CHARACTERISTICS

PI film tapes are designed for high and/or low-temperature applications. The tough and thin PI film maintains a good part of its mechanical properties also at the max. operating temperature. The adhesive system is designed to resist to UV light, humidity, solvents and rapid changes and extreme changes in temperature. The adhesive does not harden under high temperature. This allows the removal of the tape without glue residues after heating cycles.

3. TECHNICAL VALUES

Property		Test Method	Unit	Nominal Value	Tolerance
Total Thickness		PSTC-71	[µm]	63	+/- 10
Thickness Film		PSTC-71	[µm]	25	+/- 5
Thickness Adhesive		PSTC-71	[µm]	38	+/- 5
180° Peel-off Strength		PSTC-101	[N/cm]	2,7	+/- 0,70
Tensile Strength	MD	PSTC-31	[N/cm]	73	+/- 15%
Elongation	MD	PSTC-31	[%]	50	+/- 15%

Working Temperature			°C	-73 to 270
Breakdown Strength		PSTC-51	[kV]	> 5,0
ROHS & REACH		SGS		PASSED
Flame retardant				Yes

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4. APPLICATIONS

- Flame retardant electrical insulation tape on wires, busbars and coils
- Hold-down, banding and insulation tape on high-temperature transformer coils
- High-temperature masking tape for contact finger protection in wave soldering applications
- The high chemical inertness allows the use of the tapes as protective liner against chemicals on wood, metal or plastic surfaces
- Release films in thermosetting molding applications where contamination free part release and clean removal of the tape from the tool surface is required

5. ORDER INFORMATION

Roll Format	Core
Log Roll 500mm x 33mtr +/-0,5mtr	Plastic, ID 76mm/3"

- On request, the tape can be supplied on paper or film liners as per customer specifications

6. SHELF LIFE

- To be used within 6 months of production date
- Storage at room temperature of 20°C @ relative humidity <65%

7. NOTES

All statements, technical information, and recommendations contained in this document are based on tests or experience that we believe are reliable. However, many factors beyond our control can affect the use and performance of a product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluates the product to determine whether it is fit for a particular purpose and suitable for the user's method or application.

Values presented have been determined by standard test methods and are average values not meant to be used for specification purposes. Tolerances on thickness and area weight are +/- 15% is not stated differently.

All questions of warranty and liability relating to our products are governed by the terms of the respective sale subject, where applicable, to the prevailing law.

8. VERSIONING

Rev. 6 dated 13/08/2026