

Dr. Dietrich Müller GmbH, Zeppelinring 18, D-26197 Ahlhorn

# Standard Materials

## Adhesive Insulation Tape SP 61506

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**Structure:** Adhesive Insulation Tape SP 61506 consists of a polyimide film, for e.g. Kapton<sup>®</sup> and polysiloxane adhesive.

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**Characteristics:** Adhesive Insulation Tape SP 61506 is an all-purpose and high temperature resistance adhesive tape for the highest applications. Adhesive Insulation Tape SP 61506 has a high Breakdown Voltage and good mechanical characteristics at high temperature.

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**Application:** Adhesive Insulation Tape SP 61506 is used in the construction of high performance electrical motors and during wave soldering.

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**Colour:** Adhesive Insulation Tape SP 61506 is available in brown as standard.

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**Standard Lengths:** Adhesive Insulation Tape SP 61506 is supplied in standard lengths of 33 m and 66 m, other lengths are available on request.

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**Storage Conditions:** Adhesive Insulation Tape SP 61506 remains durable for at least 12 months if it is stored under cool and dry conditions (15 - 20°C, <65% Relative Humidity).

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## Adhesive Insulation Tape SP 61506

Properties	Test method	Unit	Value
Total thickness		mm	0.065 +/- 10%
Backing Material			Polyimide Film
Backing Thickness		mm	0.025 +/- 10%
Adhesive Tape			Polysiloxane
Flammability			Bu 1
Insulation Class	VDE 0530		H
Adhesion		N/10mm	2 - 3
Temperature Limit		°C	180
Short Term Load (1h)		°C	350
Dielectric Test			No Copy
Breakdown Voltage	VDE 0303	V <sub>eff</sub>	≥ 6000
Electrolytic Corrosion Effect			A 1.0
Tear Strength		N/10 mm	40-60
Elongation at Break		%	40-70

**Please note:**

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and user from own tests and inspections because of the plenty of possible effects. There is no judicial binding assurance of certain properties or of the qualification for a concrete application in our declaration. We recommend consulting us in individual cases. The acceptor of our products has to observe possible industrial property rights as well as present laws by himself.

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