

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

# Standard Materials

## Adhesive Insulation Tape SP 61505

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**Structure:** Adhesive Insulation Tape SP 61505 consists of a polyimide Film, for e.g. Kapton<sup>®</sup> and acrylic adhesive.

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**Properties:** Adhesive Insulation Tape SP 61505 is an excellent insulation film, like SP 61504, for the highest standards with a high dielectric strength and good mechanical properties at high temperatures, however, increased film thickness has better voltage resistance. The polyimide film is flame retardant.

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**Application:** Adhesive Insulation SP 61505 is suitable for high temperatures.

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**Color:** Adhesive Insulation tape SP 61505 is available in brown as standard.

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**Delivery Lengths:** Adhesive Insulation tape SP 61505 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 61505 remains durable for at least 12 months if it is stored in cool and dry conditions (15 - 20°C, <65% Relative Humidity)..

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Stand October 2014

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## Adhesive Insulation Tape SP 61505

Properties	Standard	Unit	Value
Total Thickness	-	mm	0.080 ± 10%
Base Material	-	-	Polyimide Film
Base Thickness	-	mm	0.050 ± 10%
Adhesive Type	-	-	Acrylic
Flammability	-	-	Bu 1
Insulation Class	VDE 0530	-	H
Adhesion	-	N10/mm	2
Cohesive Resistance	-	-	No separation
Shear force after solvent strain	-	N10/mm	50
Temperature Limit	-	°C	180
Short Term Load (1 hour)	-	°C	200
Dielectric Test	-	-	No breakdown
Breakdown Voltage	VDE 0303	Veff	12.000
Electrolytic Corrosion Effect	-	-	A 1.0
Tensile Strength	-	N10/mm	90-110
Elongation at Break	-	%	60-80
Application Temperature Range	-	°C	-25 to +200

**Trademark Information:** Kapton® is a registered trademark of DuPont.

**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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