

## Electrical insulation material

### 3M™ Thermal Shield | FI 15150

**Description:** 3M™ Thermal Shield | FI 15150 is a PPS based calendered insulating paper.

**Properties:** 3M™ Thermal Shield | FI 15150 offers an excellent chemical resistance and a low moisture absorption.

**Application:** 3M™ Thermal Shield | FI 15150 can be used as electrical insulation laminates for automotive motor powertrains, layer or turn insulation in dry type transformer coils, for filtration and loudspeaker voice coils.

**Delivery forms:** 3M™ Thermal Shield | FI 15150 can be delivered on roll or tape, as customized cut or die cut part with a thickness of 0,05 to 0,15 mm. Other delivery forms upon customers request.

properties	Test method	Unit	Value			
			0,06	0,08	0,10	0,13
Nominal thickness	D-374	mm	0,06	0,08	0,10	0,13
Basis weight	D-202	g/m <sup>2</sup>	45	66	90	116
Tensile strength, lengthwise	D-828	N/cm	16	21	28	42
Tensile strength, crosswise	D-828	N/cm	5	9	12	19
Elongation, lengthwise	D-828	%	18	14	12	15
Elongation, crosswise	D-828	%	7	5	5	6
Dielectric strength	D-149	V	350	450	500	600

Dr. Dietrich Müller GmbH

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**Trademark information:** 3M Thermal Shield™ is a registered trademark of 3M™ Co., USA.

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**Please note:**

The information in this data sheet is based on our current knowledge and experience. They do not disengage the fabricator and the 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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Dr. Dietrich Müller GmbH