



*uki is one of Europe's largest suppliers of electrical insulation materials and flexible films*

**UK Insulations  
Product Information**

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**DMD**

**Polyester fleece-Polyester film-Polyester fleece combination varnished**

**Composition:**

DMD consists of PETP-film covered on both sides with PETP\_fleece , impregnated with high temperature resistant varnish.

**Properties:**

DMD has excellent electrical and mechanical properties. Thanks to its smooth surface DMD can be easily processed on automatic machines. The impregnation (saturation) with a high grade varnish improves the thermal stability of the combination.

**Application:**

DMD is used as slot- and phase- insulation for low voltage motors or as interlayer insulation for transformers.

**Supply:**

In rolls of 980 mm and approx. 50 kg. Slit tapes from 4mm upwards

Inner core: 76 mm.

Outer diameter: 240 mm to 330 mm

Punched and die-cut pieces available upon customer's demand.

Colour: Pink

**Storage:**

We recommend to storage in dry atmosphere with no dust.



## Technical Data

Properties		Units	Value				
Nominal thickness		mm	<b>0,13</b>	<b>0,15</b>	<b>0,16</b>	<b>0,18</b>	<b>0,21</b>
Tolerances		mm	± 0,02	± 0,02	± 0,02	± 0,02	± 0,02
Total substance		g/m <sup>2</sup>	114	132	152	187	222
PETP thickness		µm	23	36	50	75	100
PETP-fleece thickness		µm	50	50	50	50	50
Breakdown voltage		kV	4	5	6	7	9
Breakdown voltage after folding		kV	3	4	5	6	8
Tensile strength direction	Machine	N/cm	50	110	110	140	160
	Cross	N/cm	40	80	90	105	120
Thermal class UL 1446			155°C				
Elongation		%	10	10	10	10	10

Properties		Units	Value				
Nominal thickness		mm	<b>0,24</b>	<b>0,30</b>	<b>0,36</b>	<b>0,40</b>	<b>0,45</b>
Tolerances		mm	± 0,02	± 0,02	± 0,02	± 0,03	± 0,03
Total substance		g/m <sup>2</sup>	257	348	432	502	572
PETP thickness		µm	125	190	250	300	350
PETP-fleece thickness		µm	50	50	50	50	50
Breakdown voltage		kV	10	15	18	20	22
Breakdown voltage after folding		kV	9	13	16	18	20
Tensile strength direction	Machine direction	N/cm	200	300	350	370	400
	Cross direction	N/cm	150	200	300	320	350
Thermal class UL 1446			155°C				
Elongation		%	10	10	10	10	10

