

## Prepregs

### Flexpreg® FP 58070

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**Composition:** Flexpreg® FP 58070 is a thernomid which is impregnated with modified epoxy resin. We recommend 3 minutes at 190°C, 20 minutes at 179°C and 45 minutes at 150°C for polymerisation.

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**Properties:** Flexpreg® FP 58070 is classified according to insulation class F (155°C) and has better properties in comparison to various other insulation materials.

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**Applications:** Flexpreg® FP 58070 is used for example as layer insulation in the air-cooled transformer construction.

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**Standard colour:** Flexpreg® FP 58070 is delivered in a red-brown colour as standard.

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**Delivery forms:** Flexpreg® FP 58070 is delivered on rolls with a standard width of 1600 mm. Flexpreg® FP 58070 can also be delivered as tapes with a width from 6 mm. Other formats on request.

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**Storage requirements:** Flexpreg® FP 58070 has to be stored in cool rooms, light as well as other heat sources should be avoided. At a temperature of 5°C Flexpreg® FP 58070 is durable for 8 months. At a room temperature of 23°C (±2°C) Flexpreg® FP 58070 is durable 4 months.

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## Flexpreg® FP 58070

Properties	Tolerance	Unit	Value
Total thickness	±10%	mm	125
Resin content	-	%	38
Weight	±12%	g/m <sup>2</sup>	221
Efficiency	±12%	m <sup>2</sup> /kg	4.5
Tensile strength MD	min.	N/cm %	180 20
Polyester film thickness	±10%	µm	75
Melting point	-	°C	255 up to 265
Softening point	-	°C	245
Thermal resistance	-	°C	155
Short-term thermal resistance	-	°C	180
Shrinking 30 min. at 160°C	-	%	2
Coefficient of linear expansion	-	°C	3x10 <sup>-6</sup>
Electrical breakdown voltage	-	kV	12
Elongation		%	120

**Trademark information:** Flexpreg® is a registered trademark of Dr. Dietrich Müller GmbH, Germany.

**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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