

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

Aramid Paper Prepregs

Flexpreg® FP 58017

Description: Flexpreg® FP 58017 consists of calendered Nomex®, which is coated on both sides with a modified B-stage epoxy resin.

Characteristics: Flexpreg® FP 58017 can be easily cut into desired formats and pressed in heated presses. The resin displays excellent adhesion to metallic surfaces.

Application: Flexpreg® FP 58017 is used for the bonding of metallic conductors, which are also electrically insulated from each other.
A typical application of Flexpreg® is the bonding of copper conductors with pole coils, as used in DC and AC machines.
Another possible application is the interlayer insulation in transformer foils.

Material: Flexpreg® FP 58017 consists of calendered Nomex®, which is coated on both sides with a modified B-stage epoxy resin.

Forms of Supply: Flexpreg® FP 58017 is delivered on rolls up to a width of 914 mm. Also, Flexpreg® FP 58 017 is available in tapes of 10 mm wide upwards.

Stand June 2011

Zeppelinring 18 | D-26197 Ahlhorn | Tel.: +49 (0) 4435 97 10 10 | Fax: +49 (0) 4435 97 10 11
info@mueller-ahlhorn.com | www.mueller-ahlhorn.com | Sitz der Gesellschaft: Ahlhorn
Geschäftsführer: Heinz-Jürgen Siebert | AG Oldenburg: HRB 209026 | Ust. ID-Nr.: DE 295969093
St.-Nr.: 68/207/07677 | Zertifiziert nach DIN EN ISO 9001:2008 | UL anerkannter Repacker E341377

Dr. Dietrich Müller GmbH

- Elektroisierstoffe
- Dichtungen
- Wärmeleitprodukte
- Technische Folien

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Storage Conditions: Flexpreg® FP 58017 can be stored for at least 6 months at 20 °C and at least 12 months at 5°C.

Pressing Conditions:

Pressure:	at least 2.5 N/mm ²
Temperature:	120 Minutes at 160°C
	60 Minutes at 170°C
	30 Minutes at 180°C

Properties	Norm	Unit	Value
Nominal Thickness	DIN 0863	mm	0.16
Tolerance	-	mm	+/- 0.02
Basis weight (including release film)	IPV Nr. 4	g/m ²	183 +/-15
Basis weight (without release film)	IVP Nr. 4	g/m ²	146 +/-11
Nomex® 410	IVP Nr. 4	µm	130
B-Stage Epoxy Resin both sides	-	g/m ²	30
Dielectric Strength	IEC 243	kV/mm	21
Tensile Shear Strength on Cu	IEC 216	-	
at RT			
at 150°C			
at 180°C			
Thermal Class	IEC 216	-	180°C (H)

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Flexpreg® FP 58017

Trademark Information: Flexpreg® is a registered trademark of the company Dr. Dietrich Müller GmbH, Germany.

Nomex® is a registered trademark of the company Du Pont.

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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