

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

# Electrical Insulation Materials

## Flexpreg® FP 58005

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**Description:** Flexpreg® FP 58005 consists of E-glass cloth impregnated with a special epoxy resin in B-stage.

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**Properties:** Flexpreg® FP 58005 is a dry prepreg which can be laminated under pressure and temperature to rigid plates or molded parts after curing the material is resistant against oil, solvents and water.

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**Application:** Flexpreg® FP 58005 is used for the production of molded parts such as L- and U-channels for turbo rotors, for the fabrication of tubes and cylinders for transformers and switch gear or for the insulation of different parts of electrical equipment where the prepreg is directly pressed to the parts which are to be insulated.

The processing conditions need to be altered empirically to suit the application.

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**Formats:** Flexpreg® FP 58005 is supplied on rolls in the thickness 0.20 mm and a maximum width of 1080 mm.

Belts are also available on request.

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**Storability:** Flexpreg® FP 58005 is storable for at least 6 Months at 20 ° C and min of 12 months at 5 ° C.

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Stand June 2011

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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

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- Elektroisolierstoffe
- Dichtungen
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## Flexpreg® FP 58005

Properties	Test-Method	Unit	Value
Nominal thickness		mm	0.20
Total substance	IPV Nr. 4	g/m <sup>2</sup>	300 ± 20
Glass content		g/m <sup>2</sup>	163 ± 8
Resin content	IPV Nr. 18	g/m <sup>2</sup>	137 ± 10%
Resin flow (9 layers 10 min. 160°C 1 N/mm <sup>2</sup> )	IVP Nr. 8	%	15 ± 3
Gel-time at 150°C	IVP Nr. 5	min	2-3

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

**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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