

Data Sheet of Advanced Matrix Prepreg TEXIPREG® FF562

FF 562 MATRIX PREPREGS

DESCRIPTION

FF562 is a fire-resistant phenolic matrix suitable to impregnate both carbon and glass fabric. It cures at 135 ÷ 165°C and could be processed both for hot press and vacuum bag cure. It has satisfactory self adhesive properties.

APPLICATIONS

Panels Transports Industrial

RESIN PROPERTIES

Typical Prepreg Properties:	Unit	Typical values
Outlife @ 23°C	days	30
Storage life @ -18°C	months	12
Cured resin density	g/cc	1.20

PROCESSING

Prepreg made from FF562 resin can be processed by hot plate press, in autoclave and in oven (vacuum bag molding). It should be cured at 135 ÷ 150°C.

The minimum conditions are:

Curing Temperature	Curing Time
135°C	75 minutes
150°C	60 min

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compression moulding:

- put the packet into the mould at room temperature
- close the mould and apply a about 1 bar pressure
- heat to 135°C at a 3-5 °C/min rate
- when 135°C is reached, open the plates for 2/3 sec for breathing, then close the plates and apply 2-7 bar
- keep pressure and temperature for 75'
- cool to room temperature under pressure
- get the part out of the mould

autoclave/vacuum-bag moulding:

- make the bag and apply 0.5 bar vacuum
- heat to 135°C at a 3-5 °C/min rate
- when the required temperature is reached apply 2-7 bar pressure
- keep pressure and temperature for 75'
- cool to room temperature under pressure
- get the part out of the mould

STANDARD REFERENCES

The material is in compliance with the Official Standard ABD 0031 issue A (ex ATS 1000-001) and FAR 25.853 for flammability, smoke density and toxicity.

DELIVERY FORM & PACKAGING

The pre-impregnated fabrics are rolled on 75 mm of diameter cardboard cores with release polyethylene film separator.

Rolls are sealed in waterproof plastic bag and packed in cardboard boxes.

Standard width: 100 cm

Standard length: 50 m

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HANDLING & STORAGE

Stock rolls at -18 °C, sealed in original packages.

Shop life at 23 °C refers to rolls sealed in original packages.

Before the use of the prepreg, get out the roll from the freezer and let it warm up to room temperature for 6 hours sealed in its original package.

SAFETY HAZARD

This product contains phenolic resin.

It may cause allergic reaction.

Avoid contact with skin; the use of latex gloves for handling is recommended

It is also suggested to work in an aerated environment.

Note

For further information check the Material Safety Data Sheet

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