

VTF266

VTF266 is a 65 to 120°C (150 to 250°F) curing, grey surface improvement film compatible with Syensqo's VTM®260 series Out-of-Autoclave (OoA) prepregs.

VTF266 can be supplied on a number of carriers/scrim.

VTF266 moulds to a tough, sandable, paint-ready surface directly from the mould.

Features and Benefits

- 10 days out life at 23°C (73°F)
- 12 months storage at -18°C (0°F)
- Compatible with the VTM260 series prepregs for OoA processing
- Can also be autoclave cured
- 65°C (150°F) minimum initial cure
- Good tack and drape
- Moulds to a tough, grey, sandable, paint-ready surface

INSTRUCTIONS FOR USE

The film should be removed from the freezer, thawed and allowed to reach room temperature before removal from the protective polythene bag.

Cut the film to the shape and size required, remove the backing paper and apply to the mould tool face, keeping the polythene interleave uppermost. When in position, lift the corner of the polythene and remove it by pulling sharply.

Note:

The tack level of VTF266 will reduce once the paper interleave has been removed. Interleaves should be left in place until the film is applied to the mould.

CURE CYCLE

VTF266 surface improvement films can be co-cured with VTM260 prepregs and many of Syensqo's MTM® prepregs. Please contact our technical support staff for advice.

Oven vacuum bag cure

Vacuum bag pressure	Minimum of 980mbar (29"Hg)*
Ramp rate	0.5 to 2°C (0.9 to 3.6°F)/minute
Recommended cure cycle	16 hours at 65°C (149°F)
Cool down	Maximum of 3°C (5.4°F)/minute to room temperature

*This is the ideal vacuum level, however, it is recognised that it is not always possible to attain. If in doubt, please contact our technical support staff for advice.



Autoclave cure

Vacuum bag pressure	Minimum of 980mbar (29"Hg)*
Autoclave pressure	6.2 bar (90 psi)**
Ramp rate	0.5 to 2°C (0.9 to 3.6°F)/minute
Recommended cure cycle	16 hours at 65°C (149°F)
Cool down	Maximum of 3°C (5.4°F)/minute to room temperature

*This is the ideal vacuum level, however, it is recognised that it is not always possible to attain. If in doubt, please contact our technical support staff for advice.

**if producing sandwich panels, apply the maximum pressure allowable for the honeycomb type.

Alternative cure cycles

Temperature	Duration
80°C (176°F)	5 hours
120°C (248°F)	1 hour

PHYSICAL PROPERTIES

Colour	Grey
Cured resin density	1.45g/cm ³

AVAILABILITY

Standard product formats:

Product	Areal weight	Roll width
VTF266/PM17	167g/m ² (0.034 lb/ft ²)	1270mm (50in)
VTF266/unsupported	150g/m ² (0.031 lb/ft ²)	1270mm (50in)

VTF266 can be supplied on a number of scrims/carriers, please contact our technical support staff for advice.

STORAGE

Out life* at 23°C (73°F)	10 days
Storage at -18°C (0°F)	12 months from date of manufacture

*Out life refers to accumulated time out of the freezer before the part is cured.

HEALTH & SAFETY

Please refer to the product SDS for safe handling, personal protective equipment recommendations and disposal considerations.

