



# HexBond™ EA9685-1 STRUCTIL Epoxy Fillet

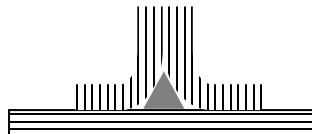


## Product Data Sheet

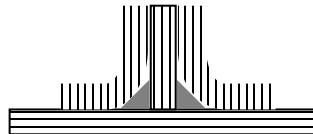
### Description

HexBond™ EA 9685-1 Epoxy Fillet is a profile of semi-solid resin designed to be used in self-stiffened composite panels manufacturing. Its function is to fill the cavity between the panel and the stiffener. HexBond™ EA 9685-1 is a 180°C/ 356°F cure epoxy resin. When curing, due to its rheology, the resin fills the cavity without excess flow nor air trap.

Example of configuration:



EA 9685-1 Epoxy Fillet is pre-shaped with an equilateral triangle section



EA 9685-1 Epoxy Fillet is pre-shaped with an isosceles right-angled triangle section

### Features

- Co-curable with most 180°C / 356°F cure prepreg systems
- Allows saving work time
- Assuring good reproducibility of structures
- Spares the use of rolled resin film or UD tape

### Uncured Adhesive Properties

The length of a Fillet is 1 meter; it is supplied on a PVC support.

The support's color varies according to the reference, see the following table.

HexBond™ EA 9685-1 Epoxy Fillet is available as sets of 35 profiles of 1m.

| Pre-shape section     | Equilateral triangle  | Isosceles right-angled triangle  |   |
|-----------------------|---|--|---|
| Indicative dimensions | <br>5 mm | <br>6.4 mm<br>4.5 mm | <br>7.5 mm<br>5.3 mm |
| Linear mass           | 15.5 ± 3 g/m  | 12.5 ± 2 g/m   | 17 ± 3 g/m  |
| Airbus Specification  | ASNA 5052   | IPS 10-17-002-01   |   |
| Support color         | White   | Yellow   | Blue  |
| Length (m)            | 1   | 1  | 1   |
| Units per packaging   | 35  | 35   | 35  |

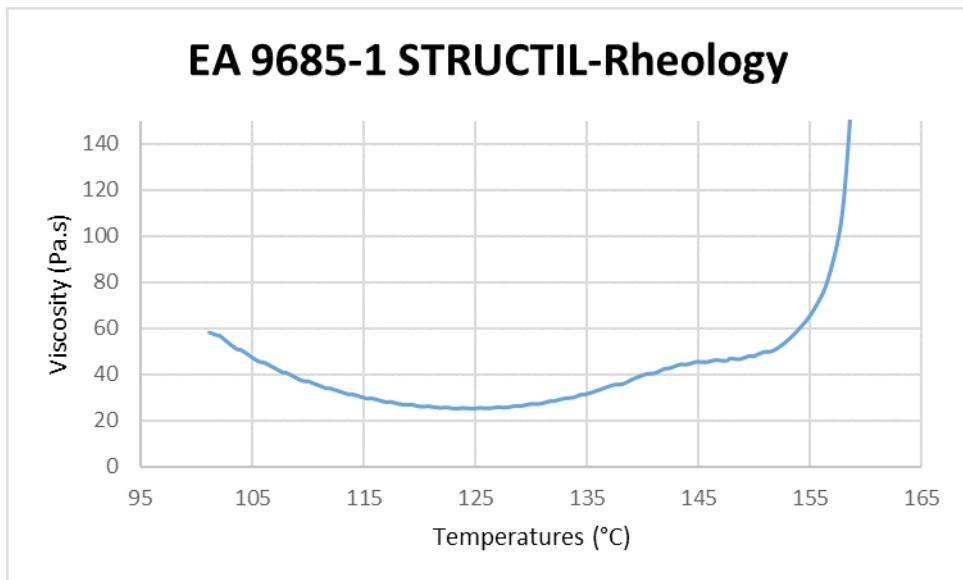
Product shelf life from date of manufacturing is 2 years at -18°C / 0°F and 3 weeks at ambient temperature ( $\leq 25^{\circ}\text{C}/ 77^{\circ}\text{F}$ ).



## Instructions for use

Refer to the Safety Data Sheet before handling.

- Usual precautions necessary when handling epoxy resins should be observed.
- In case of several fillets laid up in the same cavity, the exothermic risk when curing has to be considered.
- Before using, the set should be removed from the freezer and store at 20-25°C in its original packaging until warming to room temperature
- The standard cure cycle is 1 hour at 180°C/356°F.



This information is provided for informal purposes only, without legal responsibility and does not constitute a specification. Users are expected to perform adequate verification and testing to ensure that materials meet required specification.

## For more information

Hexcel is a leading worldwide supplier of composite materials to aerospace and industrial markets.

Our comprehensive range includes:

- HexTow® carbon fibers
- HexForce® reinforcements
- HiMax™ multiaxial reinforcements
- HexPly® prepgs
- HexMC® molding compounds
- HexFlow® RTM resins
- Redux® & HexBond™ adhesives
- HexTool® tooling materials
- HexWeb® honeycombs
- Acousti-Cap® sound attenuating honeycomb
- Engineered core
- Engineered products
- Polyspeed® laminates & pultruded profiles
- HexAM™ additive manufacturing

For US quotes, orders and product information call toll-free 1-800-688-7734. For other worldwide sales office telephone numbers and a full address list, please go to:

<http://www.hexcel.com/contact/salesoffice>

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