



HexBond™ EA9685-1 STRUCTIL Epoxy Fillet

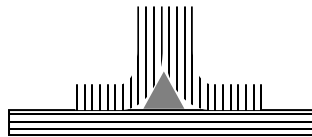


Product Data Sheet

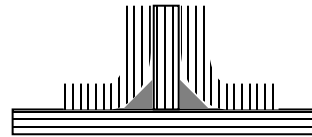
Description

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	 5 mm	 4.5 mm	 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°F).



HexBond™ EA9685-1 STRUCTIL

Epoxy Fillet

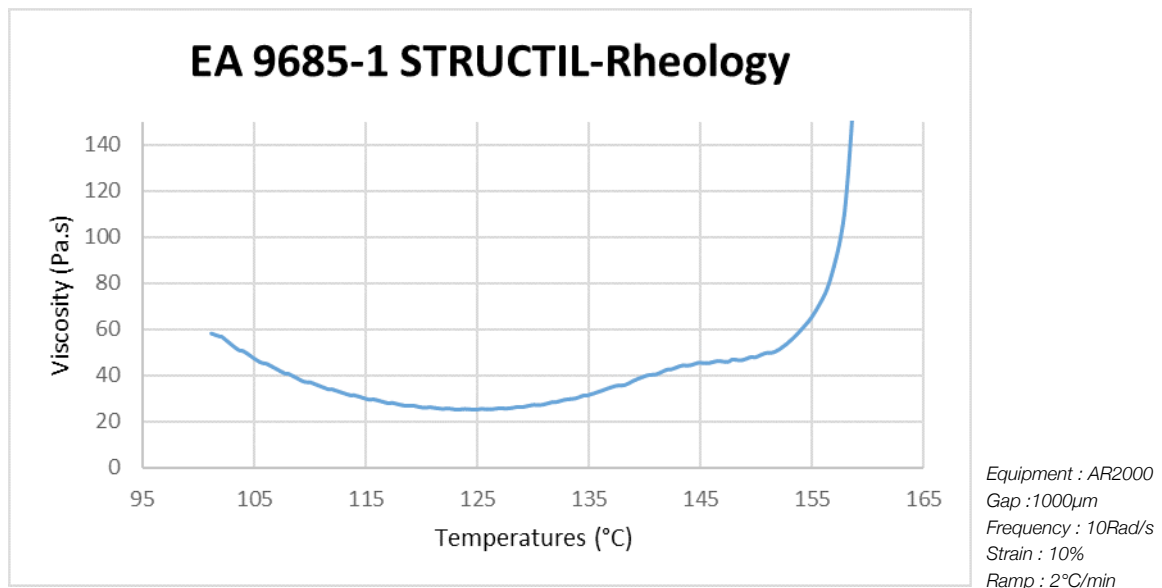


Product Data Sheet

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

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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