

Product Data

Aerospace Adhesives



Epoxy Fillet

EA 9685-1 Epoxy Fillet

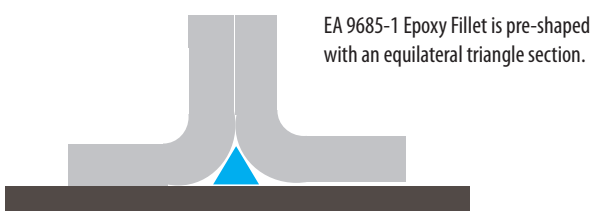


DESCRIPTION

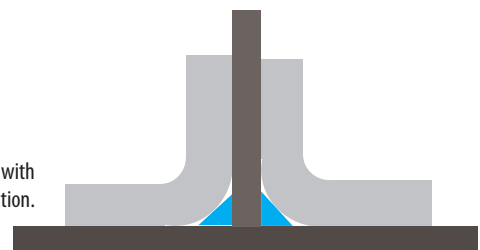
EA 9685-1 Epoxy fillet is a profile of semi-solid resin designed to be used in self-stiffened composite panels manufacturing. Its function is to fill the cavity between the panel and the stiffener.

EA 9685-1 is a 180°C cure epoxy resin. When curing, due to its rheology, the resin fills the cavity without excess flow or air trap.

Example of configuration:



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



BENEFITS

- EA 9685-1 Epoxy Fillet spares the use of rolled resin film or UD tape. It enables savings on work time and assures good reproducibility of structures.
- EA 9685-1 Epoxy Fillet is co-curable with most 180°C cure prepreg systems.
- Several shapes are available.
- The product is qualified by Airbus.

PACKAGING

The length of a fillet is 1 meter; it is supplied on a PVC support. The colour of the support varies according to the reference.

EA 9685-1 Epoxy Fillet is available in sets of 35 profiles of 1m.

HANDLING

Before use: the set should be removed from the freezer and stored at 20-25°C in its original packaging until warming to room temperature.

CURING

The standard cure cycle is 1 hour at 180°C.

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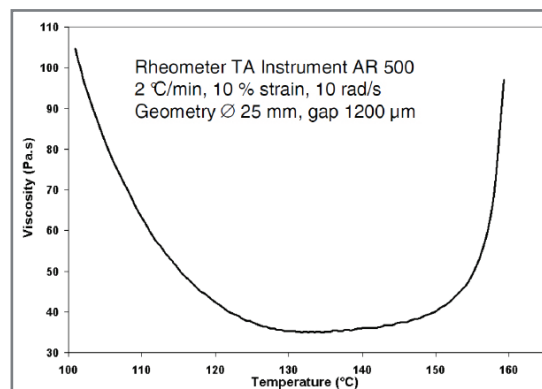
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CHARACTERISTICS AVAILABLE SHAPES			
PRE-SHAPED SECTION	EQUILATERAL TRIANGLE	ISOSCELES RIGHT-ANGLED TRIANGLE	
Indicative dimensions	 5mm	 6.4mm 4.5mm	 7.5mm 5.3mm
Linear mass	15.5 ± 3 g/m	12.5 ± 2 g/m	17 ± 3 g/m
Airbus Specification	ASNA 5052	IPS 10-17-002-01	
Support colour	White	Yellow	Blue



SHELF LIFE

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

HANDLING PRECAUTIONS

Usual precautions necessary when handling synthetic resins should be observed.

Material Safety Data Sheet is available on request.

In case of several fillets laid up in the same cavity, the exothermic risk when curing has to be considered.

All values are nominal.

Important notice

All statements, technical information and recommendations offered are only for consideration and evaluation. Whilst they are believed to be accurate they are not guaranteed and are provided without warranty of any kind. No undertaking is given that the goods/products supplied are fit for any particular purpose and the buyer/user should rely upon its own tests to establish suitability of the goods/products for its particular purpose. The buyer/user shall assume all risks and liabilities in connection therewith.

EA 9685-1 Epoxy Fillet ed. 1.2 Jul 2015

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