

::: BIO EPOXY A+B

Description:

Is a 2-component solvent-free, almost odourless, liquid laminating epoxy. Cures without sticking. Recommended for processing in combination with glass, carbon or aramid fabric. Can be used to make extremely strong parts. Available in 0.5 kg and 1 kg packs A+B.

Application:

As a medium viscous and medium reactive resin for the manufacture of GRP and CVK parts both for hand lamination as well as the light RTM process. As a binder for fillers, such as cut glass fibre or aerocell lightweight filler. Used in model making, aircraft construction and repair of composites in combination with carbon and kevlar fabrics. Very good chemical properties.

Data on delivery:	2500 A	2009 HSF B
Color:	transparent	transparent yellow
Viscosity:	2200 mPas	800 mPas
Mass density:	approx. 1,14 gr/cm ³	approx. 1.03 gr/cm ³
Shelf life:	12 months in closed container	12 months in closed container
Consistency:	liquid	thin liquid

Technical data: (A+B)

mix ratio by weight	100	28,5
potlife (25°C)		30 min.
Tg (ASTM D3418-99)		100°C
Tensile Strength (ASTM D638-10)		69MPa
Tensile Modulus (ASTM D638-10)		3134 MPa
Elongation at F max (ASTM D638-10)		5,2 %
Elongation to fracture (ASTM D638-10)		6,6 %
Bending strength (ISO 178)		113 MPa
Bending modulus (ISO 178)		2788 MPa
Bio-content		34,0 %

Processing:

Mix the two components in the correct weight ratio. Dry after 8-12 hours. Completely cured after 7 days. Apply with a brush or roller.

Safety:

Always provide appropriate protective clothing and gloves. Avoid prolonged skin contact. Cleaning agent for tools: cleaner M (environmentally friendly substitute for acetone).