

:: EPOXY CARDOLITE 2501LC A-COMP

Description:

Is the A-component for a 2-component, solvent-free and odourless, medium-liquid laminating epoxy. Cures tack-free. Can best be processed in combination with glass, carbon or aramid fabrics. May be used for the production of extremely strong parts where a 36.6% bio-content is important. Available in 5 kg set packaging.

Application:

As a medium-viscous and medium-reactive resin for the production of GRP and CRP substrates. As a binder for fillers such as chopped glass fibre or Aerocell lightweight fillers. Used in model building, aircraft construction and repair of composites in combination with carbon and Kevlar fabrics. Very good chemical properties. Post-curing improves heat resistance (2–4 hours at 50–70 °C + 2–3 hours at 80–100 °C).

Data on delivery:

	<u>A-Comp</u>	<u>B-Comp</u>
Color:	transparent	Transparent yellow
Viscosity	2400 mPa's	90 mPa's
Mass density:	approx. 1,13 gr/cm ³	approx. 0,95 gr/cm ³
Shelf life:	12 months in closed packaging	12 months in closed packaging
Consistency:	liquid	thin liquid

Technical data:

(A+B)

Consumption	Depending on application
Shore	not applicable
T _g (ASTM D3418-99)	92 °C
Tensile strength (ASTM D638-10)	62 MPa
Tensile modulus (ASTM D638-10)	2615 MPa
Elongation at F max (ASTM D638-10)	4,8 %
Elongation at break (ASTM D638-10)	6,4 %
Flexural strength (ISO 178)	92 MPa
Flexural modulus (ISO 178)	2262 Mpa

Processing:

Mix both components in a 100:30 weight ratio or a 100:36 volume ratio. Pot life: 105 min at 23 °C. Dry after 20 hours. Full cure after 7 days. Apply with a brush or roller. Due to the low viscosity also suitable for vacuum or infusion techniques.

Safety:

Always ensure appropriate protective clothing and gloves. Avoid prolonged skin contact. Cleaning agent for tools: Cleaner M (environmentally friendly replacement for acetone).

The information on this page concerns technical instructions and has been compiled to the best of our knowledge. However, it shall not constitute grounds for any liability on our part.