## : : BIO EPOXY CARDOLITE 2500 A-COMP

***Description:***
**Is a 2 component solvent-free and odourless thin liquid laminating epoxy. Cures without sticking. Recommended to be processed in combination with glass-, carbon- or aramid fabric. Can be used to manufacture extremely strong parts, where a 36.6% bio-content is important. Available in set of 5 + 2 kg packages A+B.**

***Application:***
**As a low viscous and medium reactive resin for the manufacture of GRP and CVK substrates. As a bonding agent for fillers, such as cut glass fibre or aerocell lightweight fillers. Used in model making, aircraft construction and repair of composites in combination with carbon and kevlar fabrics. Very good chemical properties. If necessary post-tempering improves the heat resistance (2-4 hours at 50-70°C + 2-3 hours at 80-100°C).**

***Data on delivery:***

| | ***A-Comp*** | ***B-Comp*** |
|---|---|---|
| **Color:** | **transparent** | **transparent yellow** |
| **Viscosity:** | **1300 mPas** | **90 mPa's** |
| **Mass density:** | **approx. 1,13 gr/cm³** | **ca. 0,95 gr/cm³** |
| **Shelf life:** | **12 months in closed container** | **12 months in closed container** |
| **Consistency:** | **liquid** | **Thin liquid** |

| ***Technical data:*** | ***(A+B)*** |
|---|---|
| **Consumption:** | **Depending on application** |
| **Shore** | **not applicable** |
| **Tg** (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 to fracture** (ASTM D638-10) | **6,4 %** |
| **Bending strength** (ISO 178) | **92 MPa** |
| **Bending modulus** (ISO 178) | **2262 Mpa** |

***Application:***
**Mix both components in a 100:30 weight ratio or a 100:36 volume ratio. Potlife: 105 min. at 23°C. Dry after 20 hours. Fully cured after 7 days. Can be applied by brush or roller. Because of the low viscosity, also suitable for vacuum or infusion technique.**

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