

**E9-132:** Solvent-free epoxy resin. This towpreg resin is usable in dry filament winding process, in particular for pressure vessels production. Suitable for oven curing.

### PRODUCT VARIANTS

**E9-132:** Towpreg unpigmented version <sup>1</sup>

### SHELF LIFE



OUT LIFE  
30 days @ 21 °C



STORAGE LIFE  
12 months @ -18 °C

### TYPICAL APPLICATIONS



TYPE 3/4  
PRESSURE  
VESSELS

### FEATURES



INDUSTRIAL APPLICATIONS



GOOD MECHANICAL PERFORMANCES

<sup>1</sup> The system is not designed for cosmetic application, if this application is needed please contact our Technical Department.

NOTE: All technical information contained in this document are given in good faith and are based on tests believed to be reliable, but their accuracy and completeness are not guaranteed. They do not constitute an offer to any person and shall not be deemed to form the basis of any contract. Accordingly, the user shall determine the suitability of the products for their intended use prior to purchase and shall assume all risk and liability in connection therewith. The information contained herein is under constant review and liable to be modified. All products are sold subject to Microtex Composites

### CURING CYCLES Tg's

Cure cycle	Tg (DSC) (°C)
120 min at 120°C	126

### EXOTHERM RISK

This matrix system can undergo severe exothermic heat up during the curing process if incorrect procedures are followed. Great care must be taken to ensure that safe heating rates, dwell temperatures and lay-up/bagging procedures are properly executed, especially when molding solid laminates with high thickness.

The risk of exotherm increases with lay-up thickness and increasing of temperature cure. It is strongly recommended that the user identifies a safe cure cycle through trials that are representative of all the relevant processing parameters. It is also important to recognize that the model or tool material and its thermal mass, combined with the insulating effect of breather/bagging materials can affect the risk of an exotherm. Please contact our technical department for further information on the exotherm behavior of these systems.

### RECOMMENDATIONS FOR USE

The bobbin conditioning at 20/22°C for at least 24 hours before using is recommended. The ideal bobbin usage temperature is 16/20°C.

It is recommended to use ad unwind tension below 50 Newtons.

### AVAILABILITY

Towpregs are available in a wide range of reinforcing fibers, including carbon, aramid, glass and special fibers.

### STORAGE CONDITIONS

This towpreg should be stored as received in a cool dry place or in a refrigerator.

After removal from refrigerated storage, towpreg should be allowed to reach room temperature before opening the polyethylene bag, thus preventing condensation.

### PRECAUTIONS FOR USE

The usual precautions when handling uncured resins and fibrous materials should be observed, and a Safety Data Sheet is available for this product.

SDS Reference Codes: SIS-483