

# RAKU-TOOL<sup>®</sup> EG-2107 / EH-2951

## Epoxy Gelcoat System

### High temperature resistant Epoxy System

PC - Rev.-Status: 01- 2009/06/25

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**Key Properties**

- High temperature resistance (180°C)
- Easy to apply
- Good workability (after final cure)

**Applications**

- Gelcoat for HT (high temperature) molds
- Gelcoat for pre-preg lay up tools

**Processing Properties**

|           |          |                   | EG-2107 | EH-2951 |
|-----------|----------|-------------------|---------|---------|
| Color     | visual   |                   | Black   | Clear   |
| Mix ratio |          | parts by weight   | 100     | 20      |
| Density   | ISO 1183 | g/cm <sup>3</sup> | 1.76    | 1.02    |

|                   |        |   | EG-2107 / EH-2951 |
|-------------------|--------|---|-------------------|
| Pot life at 25 °C | 250 ml | h | 2-2.5             |
| Demold time       |        | h | 24                |

**Cured / Mechanical Properties**

| <b>Cure: after initial hardening post cure in steps up to 180°C</b> |          |                       | EG-2107 / EH-2951 |
|---|----------|-----------------------|-------------------|
| Appearance  | visual   |                       | Black             |
| Density   | ISO 1183 | g/cm <sup>3</sup>     | 1.6               |
| Hardness Shore D  | ISO 868  |                       | 90-95             |
| Deflection temperature, HDT   | ISO 75   | °C                    | 170-180           |
| Glass Transition Temperature, Tg                                    | DSC      | °C                    | 170-180           |
| Abrasion  | Taber    | mm <sup>3</sup> /100R | 45-50             |

**Processing**

**The processing and material temperature should be between 20-25 °C.**

Mix the two components thoroughly in the ratio indicated. Apply in thin layers with a brush.

Wait until gelcoat has gelled, but ensure that it is still slightly tacky before proceeding.

Post curing will improve final properties.

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### Packaging

|                                |                   |
|--------------------------------|-------------------|
| RAKU-TOOL <sup>®</sup> EG-2107 | 5 kg              |
| RAKU-TOOL <sup>®</sup> EH-2951 | 1.8 kg / 6 x 1 kg |

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### Storage

Original containers should be kept tightly sealed and stored at ambient temperatures (15°C to 30°C). If properly stored the products have the shelf-life indicated on the product label.  
Partly used containers should always be sealed appropriately and used up as soon as possible.

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### Handling Precautions

Good workplace ventilation is to be ensured during processing. At the same time, the employer's liability insurance association's industrial hygiene safety regulations regarding the handling of reaction resins and their hardeners are to be observed. Please take heed of the appropriate safety data sheets.

*Supplied by*

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## **AMBERCOMPOSITES**

94 Station Road, Langley Mill  
Nottingham, NG16 4BP United Kingdom  
T: +44 (0)1773 530899 F: +44 (0)1773 768687  
E: sales@ambercomposites.com  
www.ambercomposites.com