



## **TOOLING & CASTING RESIN**

### **Product Information Page**

#### **DESCRIPTION SG2000 A+B**

##### **POLYURETHANE CASTING SYSTEM**

**ebalta SG2000 A+B** is an un-filled, low viscosity two component system and final properties are dependent on type and quantity of fillers used. SG2000 A/B without filler cures to a white thermoplastic like material with good physical properties, even in thin sections. SG2000 A/B will accept high filler loading and can be subsequently cast in larger volumes. A variety of fillers are available. Please contact us.

##### **FEATURES**

Good temperature stability  
Good curing in thin sections  
50/50 Resin/Hardener  
Very low viscosity  
High strength  
Quick de-mould  
Choice of filler

##### **APPLICATIONS**

Prototype components  
Small to medium foundry tools  
Small vacuum form tools  
Holding and trimming jigs  
Small & Large Cast Parts

##### **Mixing Ratio**

**100 p.b.w. Resin : SG2000 A**  
**100 p.b.w. Hardener : SG2000 B**

##### **Mixed Viscosity**

**40-60 mpas unfilled**

##### **Specific Gravity**

**1.1 dm<sup>3</sup> unfilled**

##### **Pot Life 200g /20°C**

**4-5 mins unfilled**

##### **Curing Time**

**30-60 mins (demouldable) unfilled**

##### **FINAL PROPERTIES**

|  |               |
|--|---------------|
| <b>Hardness-Shore D at 20°C</b>              | <b>70-75</b>  |
| <b>Compressive Strength N/mm<sup>2</sup></b> | <b>55-60</b>  |
| <b>Tensile Strength N/mm<sup>2</sup></b>     | <b>40-45</b>  |
| <b>Flexural Strength N/mm<sup>2</sup></b>    | <b>70-75</b>  |
| <b>Temperature Resistance ASTM °C</b>        | <b>95-100</b> |
| <b>Colour</b>                                | <b>White</b>  |

The above values are to be found by processing at 20°C, but may vary at differing temperatures and assume an unfilled product, addition of filler of any kind will vary these results.