

Ebalta SG 2000 S / Comp. A+B

Polyurethane
Ebalta Kunststoff GmbH

Message:

The product group ebalta SG 2000 consists of high-quality, nearly odourless two-component-Polyurethane casting resins without mixed in filler. The filler is stirred in when the components are mixed. There are different resin components available, which are processed with one hardener. The single types differ in potlife and curing time.

The fast curing of the materials leads to a short demoulding time. The very thin binding agent effects a high filler content. The addition of different fillers determines the properties and strength.

- Applications
- Foundry patterns
 - Core boxes
 - Negatives
 - Pattern plates
 - Control castings
 - Coping models
 - Vacuum forming tools
 - Mould probes for trimming of prototypes
- Properties
- unfilled
 - very thin liquid
 - high filler content possible
 - good curing
 - very high strength
 - very heat resistant

General Information			
Features	Fast Cure		
	High Heat Resistance		
	High Strength		
	Low to No Odor		
Appearance	Ivory		
Forms	Liquid		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	70 to 74		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1400 to 1600	MPa	ISO 178
Flexural Stress	52.0 to 62.0	MPa	ISO 178
Compressive Stress	40.0 to 50.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	20 to 28	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	82.0 to 88.0	°C	ISO 75-2/B
Thermoset	Nominal Value	Unit	

Thermoset Components

Mix Ratio by Volume: 89

Hardener

Mix Ratio by Weight: 100

Mix Ratio by Weight: 100

Resin

Mix Ratio by Volume: 100

Uncured Properties	Nominal Value	Unit
Density (20°C)	1.08 to 1.12	g/cm ³
Viscosity (25°C)	0.040 to 0.050	Pa·s
Curing Time (20°C)	0.25 to 0.50	hr
Pot Life ¹ (20°C)	1.5 to 2.5	min
NOTE		

1. 200 g

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

