

Ebalta SG 198 / Comp. A+B

Polyurethane
Ebalta Kunststoff GmbH

Message:

This product is a polyurethane-casting system.
Stir up and shake carefully before use.
The product can be subject to variations in colour due to the raw materials. These do not affect the quality and properties of the product.
The system SG 198 tends to get oily if casted in thicknesses >4mm, that means that there might be an oil-film on the surface.

- Applications
- Prototypes and short runs design
 - Prototypes and short runs industry
- Toys
- Decoration stuff
- Swivel-cast procdure
- Properties
- high impact strength
 - very well castable
 - low viscosity
 - short curing time

General Information			
Features	Fast Cure		
	High Impact Resistance		
	Low Viscosity		
Uses	Prototyping		
	Toys		
Appearance	Beige		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	68 to 72		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1080 to 1280	MPa	ISO 178
Flexural Stress	38.0 to 46.0	MPa	ISO 178
Compressive Stress	31.0 to 37.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	42 to 58	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	58.0 to 62.0	°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)	0.035 to 0.045	Pa·s
Curing Time (20°C)	0.25 to 0.50	hr
Pot Life ¹ (20°C)	2.0 to 3.5	min

NOTE

1. 200 g

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