

Ebalta SG 140 / PUR 12

Polyurethane
Ebalta Kunststoff GmbH

Message:

This is a Polyurethane system.
Material should be carefully stirred up/ shaken before use.
Filler content and sales units are on the separate mixing table noted.

- Applications
- Pattern plates
 - Foundry patterns
 - Core boxes
 - Control castings
 - Coping models
 - Negatives
 - Prototypes
 - Mould probes for trimming of prototypes
- Properties
- high strength
 - unfilled

General Information			
Features	Fast Cure		
	High Strength		
Uses	Prototyping		
Appearance	Beige		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	69 to 75		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1270 to 1430	MPa	ISO 178
Flexural Stress	40.0 to 50.0	MPa	ISO 178
Compressive Stress	30.0 to 40.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	12 to 18	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Martens Temperature	43 to 47	°C	DIN 53458
Thermoset	Nominal Value	Unit	
Thermoset Components			
Mix Ratio by Volume: 91			
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)	1.03 to 1.07	g/cm ³
Viscosity (25°C)	0.060 to 0.080	Pa·s
Curing Time (20°C)	0.50 to 1.0	hr
Pot Life ¹ (20°C)	4.0 to 5.0	min
NOTE		

1. 200 g

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