Ebalta SG 700 A / PUR 5

Polyurethane

Ebalta Kunststoff GmbH

Message:

ebalta SG 700 is a two-component-Polyurethane casting resin, which cures very fast at room temperature. The very good workability and the excellent mechanical properties makes SG 700 a material with versatile application possibilities. ebalta SG 700 A is even more abrasion-resistant, but not so well workable by machine. Displacements, even made of wood, can be filled in. Material should be carefully stirred up/ shaked before use. Applications Foundry patterns Core boxes fixtures Negatives Control castings Prototypes Properties abrasion resistant well castable fine structure dimensionally accurate fast curing versatile

Fast Cure Fast Cure Good Abrasion Resistance Uses Prototyping Appearance Blue Processing Method Casting Hardness Nominal Value Test Method Shore Hardness (Shore D) 80 to 86 Unit Test Method Mechanical Nominal Value Unit Test Method Flexural Modulus 4020 to 4920 MPa Iso 178 Compressive Stress 38.0 to 48.0 MPa Iso 604 Impact Nominal Value Unit Test Method Charpy Unnotched Impact Strength 3.7 to 5.7 M/m² Iso 179 Thermal Nominal Value Unit Test Method Martens Temperature 47 to 51 'C DIN 53458 Thermoset Vominal Value Unit Test Method Thermoset Components Iso 179 Iso 179 Iso 179 Resin Mix Ratio by Weight: 15 Iso 179 Iso 179 Resin Mix Ratio by Weight: 100 Iso 179 Iso 179 Density (20°C) Jon 180 Mix Iso 179 <th>General Information</th> <th></th> <th></th> <th></th>	General Information			
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Uncured Properties Nominal Value Unit	Hardener	Mix Ratio by Weight: 15		
	Resin	Mix Ratio by Weight: 100		
Density (20°C) 1.70 to 1.80 g/cm ³	Uncured Properties	Nominal Value	Unit	
	Density (20°C)	1.70 to 1.80	g/cm³	

Viscosity (25°C)	1.5 to 2.2	Pa·s
Curing Time (20°C)	1.0 to 2.0	hr
Pot Life ¹ (20°C)	5.0 to 7.0	min
NOTE		
1.	200 g	

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