

Ebalta GH 707 / BR

Epoxy; Epoxide
Ebalta Kunststoff GmbH

Message:

ebalta GH 707/BR is a two components epoxy resin, which cures at room temperature.
Due to very fine and hard fillers, this system gets a dense pressure resistant structure and hard wear resistant surface.
Compared to foundry mould sand ebalta GH 707/BR shows a very good release properties and low tackiness casting thickness up to 30 mm.

- Applications
- Foundry patterns
 - Core boxes
 - Pattern plates
 - fixtures
 - Coping models
- Properties
- hard
 - abrasion resistant
 - impact resistant
 - well castable
 - good compressive strength

General Information			
Filler / Reinforcement	Filler		
Features	Good Abrasion Resistance		
	Good Compressive Strength		
	Good Impact Resistance		
	Good Mold Release		
	Good Wear Resistance		
	High Hardness		
Appearance	Grey		
Hardness	Nominal Value	Test Method	
Shore Hardness (Shore D)	83 to 89	ISO 7619	
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	5100 to 5700	MPa	ISO 178
Flexural Stress	70.0 to 80.0	MPa	ISO 178
Compressive Stress	80.0 to 90.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	6.0 to 10	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Martens Temperature	56 to 60	°C	DIN 53458
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 14		
Resin	Mix Ratio by Weight: 100		
Uncured Properties	Nominal Value	Unit	

Density (20°C)	1.95 to 2.05	g/cm ³
Viscosity (25°C)	6.2 to 7.8	Pa·s
Curing Time (20°C)	10 to 12	hr
Pot Life ¹ (20°C)	35 to 45	min
NOTE		
1.	200 g	

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