

Ebalta HFG / PUR 11

Polyurethane
Ebalta Kunststoff GmbH

Message:

ebalta HFG is a light filled 2-components-polyurethane casting compound, which cures fast at room temperature. After curing this material is dimensional accurate light weight but anyway resistant, which is especially suitable for big volume backfilling of coreboxes and negative moulds.

- Applications
- Backfillings for core boxes
 - Backfillings for negatives
- Properties
- very thick castable
 - fast curing
 - impact resistant
 - dimensionally accurate
 - for large volume back fillings

General Information			
Features	Fast Cure		
	Good Impact Resistance		
Appearance	Grey		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	72 to 76		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1950 to 2450	MPa	ISO 178
Flexural Stress	20.0 to 24.0	MPa	ISO 178
Compressive Stress	26.0 to 32.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	1.8 to 2.2	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Martens Temperature	63 to 67	°C	DIN 53458
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 33		
Resin	Mix Ratio by Weight: 100		
Uncured Properties	Nominal Value	Unit	
Density (20°C)	0.950 to 0.990	g/cm ³	
Viscosity (25°C)	15 to 25	Pa · s	
Curing Time (20°C)	4.0 to 5.0	hr	
Pot Life ¹ (20°C)	7.0 to 9.0	min	
NOTE			
1.	200 g		

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