

Ebalta GH 706 / GL

Epoxy; Epoxide
Ebalta Kunststoff GmbH

Message:

ebalta GH 706/GL is a well castable two-components epoxy resin, which cures at room temperature and can be casted 40 - 50 mm thickness.
The resin GH 706 contains very fine hard fillers and with hardener GL it has got a very hard, wear resistant surface with high compression strength and very fine structure.
ebalta GH 706 is the castable version of the very hard gelcoat OH 6-1.

Applications

Foundry patterns

Core boxes

Coping models

Properties

abrasion resistant

fine structure

good compressive strength

very hard

wear resistant

well castable

castable up to 30 mm

General Information			
Filler / Reinforcement	Filler		
Features	Good compressive strength		
	Good wear resistance		
	Good wear resistance		
	High hardness		
Appearance	Blue		
Processing Method	Casting		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore D)	87 - 93		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	8040 - 8800	MPa	ISO 178
Flexural Stress	80.4 - 85.6	MPa	ISO 178
Compressive Stress	100 - 108	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	6.0 - 8.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	65.0 - 69.0	°C	ISO 75-2/B
CLTE - Flow (20 to 50°C)	6.0E-5	cm/cm/°C	DIN 53752
Thermoset	Nominal Value	Unit	
Thermoset Components			
Resin	Mixing ratio by weight: 100		

Hardening method	Mixing ratio by weight: 10	
Additional Information		
Wear jet test : 357 W(V/t) [mm³/min] (internal tests)		
Uncured Properties	Nominal Value	Unit
Density (20°C)	2.00 - 2.10	g/cm³
Viscosity (25°C)	8.0 - 12	Pa·s
Curing Time (20°C)	12 - 16	hr
Pot Life ¹ (20°C)	30 - 40	min
NOTE		
1.	200 g	

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