

Ebalta GH 730 / BR

Epoxy; Epoxide
Ebalta Kunststoff GmbH

Message:

ebalta GH 730/BR is a quite versatile two-components epoxy resin with good castability, curing at room temperature. Due to its easy workability as well as its high strength and low shrinkage there's a big variety of applications as mouldmaking, toolmaking and in foundries. Moreover the high impact resistance and cast thickness of more than 30 mm make even more applications possible.

- Applications
- Foundry patterns
 - Core boxes
 - fixtures
- Properties
- impact resistant
 - versatile

General Information			
Features	High strength		
	Impact resistance, high		
	Low shrinkage		
Appearance	Black		
Processing Method	Casting		
Physical	Nominal Value	Unit	Test Method
Molding Shrinkage	0.10 - 0.20	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	87 - 93		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	7400 - 8200	MPa	ISO 178
Flexural Stress	75.0 - 85.0	MPa	ISO 178
Compressive Stress	95.0 - 115	MPa	ISO 604
Taber Abrasion Resistance (500 Cycles, 500g, CS-17 wheel)	19.0	mg	Internal method
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	4.0 - 8.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	62.0 - 66.0	°C	ISO 75-2/B
CLTE - Flow (20 to 50°C)	7.4E-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 : 151 W(V/t) [mm³/min] (internal tests)			

Uncured Properties	Nominal Value	Unit
Density (20°C)	2.15 - 2.25	g/cm ³
Viscosity (25°C)	6.5 - 9.5	Pa·s
Curing Time (20°C)	12 - 14	hr
Pot Life ¹ (20°C)	35 - 45	min
NOTE		
1.	200 g	

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