

# Ebalta GH 761 / D

Epoxy; Epoxide  
Ebalta Kunststoff GmbH

## Message:

ebalta GH 761/D is a very well castable two-components epoxy casting resin, which even cures at 40 mm thickness at room temperature. The excellent castability allows versatile applications as a massive casting resin. During processing just note that the extremely low-viscosity hardener is mixed carefully with the filled resin. The resin/hardener mixture has a long potlife and is well castable free from air bubbles.

- Applications
- Foundry patterns
  - Pattern plates
  - Negatives
  - Control castings
  - Coping models
  - Mould probes for trimming of prototypes
- Properties
- low viscosity
  - well castable
  - versatile

General Information			
Filler / Reinforcement	Filler		
Features	Low Viscosity		
Uses	Molds/Dies/Tools		
Appearance	Black		
Processing Method	Casting		
Hardness	Nominal Value	Test Method	
Shore Hardness (Shore D)	87 to 93	ISO 7619	
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	8200 to 9500	MPa	ISO 178
Flexural Stress	80.0 to 90.0	MPa	ISO 178
Compressive Stress	100 to 120	MPa	ISO 604
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	57.0 to 61.0	°C	ISO 75-2/B
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 5.0		
Resin	Mix Ratio by Weight: 100		
Uncured Properties	Nominal Value	Unit	
Density (20°C)	2.40 to 2.50	g/cm <sup>3</sup>	
Viscosity (25°C)	2.0 to 3.0	Pa · s	
Curing Time (20°C)	14 to 16	hr	
Pot Life <sup>1</sup> (20°C)	50 to 60	min	
NOTE			
1.	200 g		

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