

Ebalta LH 26 / Resin+Hardener

Epoxy; Epoxide
Ebalta Kunststoff GmbH

Message:

Applications
Vacuum infusion
Mould constructions
Properties
high heat resistance
low viscosity
good wet-out characteristics
heat curing

General Information			
Features	Heat Cure		
	High Heat Resistance		
	Low Viscosity		
Uses	Molds/Dies/Tools		
Appearance	Brown		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	85 to 89		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	3030 to 3070	MPa	ISO 178
Flexural Stress	120 to 140	MPa	ISO 178
Compressive Stress	95.0 to 115	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	28 to 42	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	145 to 149	°C	ISO 75-2/B
Glass Transition Temperature	150	°C	DSC
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 27		
Resin	Mix Ratio by Weight: 100		
Post Cure Time			
40°C	4.0	hr	
60°C	6.0	hr	
80°C	6.0	hr	
100°C	2.0	hr	
120°C	2.0	hr	
150°C	2.0	hr	

180°C	4.0	hr
Uncured Properties	Nominal Value	Unit
Density (20°C)	1.09 to 1.13	g/cm ³
Viscosity (25°C)	0.30 to 0.50	Pa·s
Curing Time (20°C)	24 to 48	hr
Pot Life ¹ (20°C)	120 to 150	min

NOTE

1. 200 g

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