

Ebalta BIV 800 / BIV 60-1

Epoxy; Epoxide
Ebalta Kunststoff GmbH

Message:

Applications
Boatbuilding
Hand laminating
Vacuum infusion
Injection process
Properties
pot life about 60 min.
low viscosity

General Information			
Features	Low Viscosity		
Uses	Laminates		
Appearance	Transparent - Slight Yellow		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	83 to 87		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	2700 to 3300	MPa	ISO 178
Flexural Stress	120	MPa	ISO 178
Compressive Stress	90.0 to 110	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	50 to 70	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	94.0 to 100	°C	ISO 75-2/B
Glass Transition Temperature	90.0	°C	DSC
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 30		
Resin	Mix Ratio by Weight: 100		
Post Cure Time (80°C)	4.0 to 8.0	hr	
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.10 to 1.16	g/cm ³	
Viscosity (25°C)	0.25 to 0.35	Pa · s	
Curing Time (20°C)	16 to 24	hr	
Pot Life ¹ (20°C)	55 to 65	min	
NOTE			

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