

Ebalta AH 140 / LI 20

Epoxy; Epoxide
Ebalta Kunststoff GmbH

Message:

Applications
Vacuuminfusion of carbon- and glass fibre parts
Hand lay-up of carbon- and glass fibre parts
Properties
cures tack free

General Information			
Features	Tack Free		
Appearance	Transparent - Slight Yellow		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	84 to 90		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	3070 to 3570	MPa	ISO 178
Flexural Stress	113 to 133	MPa	ISO 178
Compressive Stress	86.0 to 96.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	32 to 70	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	88.0 to 94.0	°C	ISO 75-2/B
Glass Transition Temperature	83.0	°C	DSC
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 35		
Resin	Mix Ratio by Weight: 100		
Post Cure Time			
60°C	4.0	hr	
80°C	6.0	hr	
120°C	4.0	hr	
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.09 to 1.15	g/cm ³	
Viscosity (25°C)	0.53 to 0.68	Pa · s	
Curing Time (20°C)	16 to 24	hr	
Pot Life ¹ (20°C)	18 to 22	min	
NOTE			

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Recommended distributors for this material

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