

# Ebalta AH 120 / TG

Epoxy; Epoxide  
Ebalta Kunststoff GmbH

Message:

Applications  
Laminating resin for fabrics  
Vehicle construction  
Aircraft construction  
Properties  
unfilled  
high strength  
good heat resistance  
low viscosity

General Information			
Features	High Strength		
	Low Viscosity		
	Medium Heat Resistance		
Uses	Aircraft Applications		
	Automotive Applications		
	Laminates		
Appearance	White		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	84 to 88		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	2900 to 3400	MPa	ISO 178
Flexural Stress	110 to 130	MPa	ISO 178
Compressive Stress	95.0 to 115	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	41 to 51	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0 to 96.0	°C	ISO 75-2/B
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 22		
Resin	Mix Ratio by Weight: 100		
Post Cure Time			
60°C	6.0 to 8.0	hr	
90°C	3.0 to 5.0	hr	
Uncured Properties	Nominal Value	Unit	

Density (20°C)	1.10 to 1.14	g/cm <sup>3</sup>
Viscosity (25°C)	0.62 to 0.82	Pa·s
Curing Time (20°C)	10 to 12	hr
Pot Life <sup>1</sup> (20°C)	35 to 40	min
NOTE		
1.	200 g	

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