

# Ebalta AH 120 / TGS

Epoxy; Epoxide  
Ebalta Kunststoff GmbH

Message:

- Applications
- Laminating resin for fabrics
- Vehicle construction
- Aircraft construction
- Properties
- unfilled
- low viscosity
- high strength
- fast curing

General Information			
Features	Fast Cure		
	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	3000 to 3200	MPa	ISO 178
Flexural Stress	105 to 125	MPa	ISO 178
Compressive Stress	90.0 to 110	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	36 to 46	kJ/m²	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
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)	0.60 to 0.80	Pa·s
Curing Time (20°C)	6.0 to 8.0	hr
Pot Life <sup>1</sup> (20°C)	20 to 25	min
NOTE		
1.	200 g	

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#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

