

# Ebalta AH 120 / TC 60

Epoxy; Epoxide  
Ebalta Kunststoff GmbH

Message:

- Applications
  - Vehicle construction
  - Laminating resin also for heavy fabrics/bonded fabrics
  - Aircraft construction
- Properties
  - low viscosity
  - high strength
  - high heat resistance
  - unfilled

General Information			
Features	High Heat Resistance		
	High Strength		
	Low Viscosity		
Uses	Aircraft Applications		
	Automotive Applications		
	Laminates		
Appearance	Transparent - Slight Yellow		
Hardness	Nominal Value		Test Method
Shore Hardness (Shore D)	81 to 87		ISO 7619
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	2880 to 3180	MPa	ISO 178
Flexural Stress	115 to 135	MPa	ISO 178
Compressive Stress	85.0 to 95.0	MPa	ISO 604
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	38 to 52	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	99.0 to 105	°C	ISO 75-2/B
Glass Transition Temperature	94.0	°C	DSC
Thermoset	Nominal Value	Unit	
Thermoset Components			
Hardener	Mix Ratio by Weight: 28		
Resin	Mix Ratio by Weight: 100		
Post Cure Time			
60°C	4.0 to 8.0	hr	
80°C	5.0 to 6.0	hr	

Uncured Properties	Nominal Value	Unit
Density (20°C)	1.08 to 1.12	g/cm <sup>3</sup>
Viscosity (25°C)	0.50 to 0.70	Pa·s
Curing Time (20°C)	36 to 48	hr
Pot Life <sup>1</sup> (20°C)	60 to 70	min
NOTE		
1.	200 g	

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