# Ebalta AH 140 / TC 60

### Epoxy; Epoxide

#### Ebalta Kunststoff GmbH

#### Message:

Applications
Hand laminating
Vacuum infusion
carbon fibre sight laminates
Laminates for boatbuilding
Laminates for automotive industry
Laminates for aeronautic
Properties
low viscosity
good curing at room temperature
high strength
high heat resistance
excellent wet-out characteristics

General Information

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)	83 to 89		ISO 7619	
Mechanical	Nominal Value	Unit	Test Method	
Flexural Modulus	2600 to 3200	MPa	ISO 178	
Flexural Stress	110 to 130	MPa	ISO 178	
Compressive Stress	77.0 to 93.0	MPa	ISO 604	
Impact	Nominal Value	Unit	Test Method	
Charpy Unnotched Impact Strength	42 to 58	kJ/m²	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	93.0	°C	DSC	
Thermoset	Nominal Value	Unit		
Thermoset Components				
Hardener	Mix Ratio by Weight: 30			
Resin	Mix Ratio by Weight: 100			

Post Cure Time			
60°C	4.0 to 6.0	hr	
80°C	5.0 to 6.0	hr	
Uncured Properties	Nominal Value	Unit	
Density (20°C)	1.08 to 1.12	g/cm³	
Viscosity (25°C)	0.53 to 0.68	Pa·s	
Curing Time (20°C)	22 to 26	hr	
Pot Life <sup>1</sup> (20°C)	55 to 65	min	
NOTE			
1.	200 g		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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

