

## LOW VISCOSITY LAMINATING SYSTEM WITH GOOD THERMAL PERFORMANCE

### Application:

LR 113 is a low-viscosity epoxy resin that is used with HR 98, a mixture of polyamines, to form a cold curing epoxy system. This system has many applications in aerospace and industrial composites, tooling, aircraft repair.

### Characteristics and Advantages:

- Very low viscosity
- Excellent wetting out properties
- Elevated temperature resistance, up to 120 °C
- Good mechanical properties.

### Uses:

- Wet lay-up
- Resin Infusion
- Pressure Moulding

### Technical Properties:

Properties	Unit	Value	Test method
Appearance	NA	clear	NA
Color	Gardner	Max 1	ASTM D1544
Viscosity Resin (at 25°C)	mPa.s (cps)	500-1000	ISO 2555
Viscosity Hardener (at 25°C)	mPa.s (cps)	15-20	ISO 2555
Viscosity Mixed (at 25°C)	mPa.s (cps)	300-350	ISO 2555
Density (at 23°C)	g/cm <sup>3</sup>	1.16	ISO1675
Pot Life *	min	110-150	
Tg (DSC)	°C	115-121	ISO 11357
Tensile Strength	MPa	77-81	ISO 527
Elongation At Break		6+-2	ISO 527
Post cure temperature	NA	4 Hours at 120 C	

**This information is continuously measured and considered a part of the product's technical specifications, and their presence is only for a better description of the product.**