



Laminating Resin

RenLam[®] LY 560 / Ren[®] HY 560

Low-viscosity unfilled epoxy system

Key properties

- High dynamic strength
- Good thermal properties
- Good impregnation properties
- Good cure even of thin layers

Applications

- High dynamic strength parts for application in boat and aircraft manufacture
- Tools and tooling aids with enhanced heat resistance

Product data

Property	Unit	RenLam LY 560	Ren HY 560
Appearance Colour	visual	Liquid Clear, pale yellow	Liquid Clear yellow
Viscosity at 25°C	mPa s	1800-2700	300-450
Density	g/cm ³	1.0-1.05	0.95-1.0

Processing

Mix ratio	Parts by weight
RenLam LY 560	100
Ren HY 560	25

Mix the two components thoroughly in the ratio indicated, then impregnate each layer of cloth as it is laid up to construct the laminate.
Post-curing will improve final properties.

Properties

Resin/Hardener mix:	Volume	Unit	RenLam LY 560 Ren HY 560
Appearance			yellow liquid
Viscosity at 25°C		mPa s	1200-1800
Pot life at 25°C	500 gr.	min	30-40
Demoulding time		h	14-24

After cure: 7 days at RT or 14 hours at 40 °C

Density	ISO 1183	g/cm ³	1.0
Deflection temperature	ISO 75	°C	65-70

Storage

The resin and hardeners described in this instruction sheet have the shelf lives shown provided they are stored at 18 - 25°C in a dry place and sealed containers, preferably those in which they are supplied.

Working conditions

The product should be used when in the temperature range 18-25°C.

Packaging

System	RenLam LY 560	Ren HY 560
Quantity and Weight	200 kg 25 kg 6 x 1 kg	6 x 250 gr.

Handling precautions

Caution

Our products are generally quite harmless to handle provided that certain precautions normally taken when handling chemicals are observed. The uncured materials must not, for instance, be allowed to come into contact with foodstuffs or food utensils, and measures should be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The wearing of impervious rubber or plastic gloves will normally be necessary; likewise the use of eye protection. The skin should be thoroughly cleansed at the end of each working period by washing with soap and warm water. The use of solvents is to be avoided. Disposable paper - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. These precautions are described in greater detail in the Material Safety Data sheets for the individual products and should be referred to for fuller information.

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