

Resin LR214 / Hardener EH161

Laminating and Casting Epoxy Resin System

Low viscosity, clear, epoxy resin system with high elongation for high performance filament winding, laminating and tooling applications. Excellent resistance against acids, alkalis and water. Good Thermal Shock Properties. The pot life and gel time can be adjusted with other hardeners.

FEATURES

Good wetting of reinforced fibers * Medium viscosity * Long pot life
Low toxicity * High toughness with good mechanical properties

Description

Colour:	Amber, clear		
Mixing Ratio:	LR214	100	by weight
	EH161	58	
Viscosity:	LR214	2100 mPa.s at 25 Deg. C	
	EH161	200 mPa.s at 25 Deg. C	
	System	1100 mPa.s at 25 Deg. C	
Pot life	60 to 70 minutes at 25 Deg C (150 g)		
Gelation Time:	7 to 10 hours	at 25 Deg. C (200 g mass)	

CHARACTERISTICS after CURE (Unreinforced system)

Cured for 7 days at 25 C

Hardness:	80	Shore D
Flexural Strength:	79	MPa
Tensile Strength:	37	MPa
Elongation in Tension:	3,9	
Heat Distortion Temperature:	55	
Water absorption: 24 h 23 C	0,1%	

SAFETY PRECAUTIONS : Normal health and safety precautions apply when handling this product. Ensure: Adequate ventilation * Use of gloves and safety glasses * Use of barrier creams * Use of suitable hand cleaners

STORAGE: The shelf life is 12 months in unopened containers at room temperature.

The above data are offered for customer's guidance only. It implies no guarantee. Customers must conduct their own tests to determine the suitability of the material for their specific applications. Technoresin cannot assume responsibility for results obtained by use of this product as we have no control over end-use application or handling. Technoresin therefore specifically disclaims any damage or loss of any kind in relation to the use of this product. (Version 3 Date 25.1.2012)

