

AltroGreen EP 3200

Multi-purpose resin
Preliminary datasheet

altropol

Main features

- without solvent
- without reactive diluent
- AltroGreen EP 3200 is based on 100 % renewable raw materials
- CO₂ savings of over 760 kg CO₂ per ton (compared to NEUKADUR EP 320)

Applications

- multi-purpose resin
- high-performance resin for fiber composite components

Properties in the non-crosslinked state (approx. values)

		AltroGreen EP 3200	NEUKADUR Hardener 311
Colour		amber	amber
Mixing ratio	p.b.w.	100	24
Density (20 °C)	g/cm ³	1.1	0.95
Viscosity (25°C)	mPa·s	11,000	40

Properties of the mixture (approx. value)

Mixing viscosity (20 °C)	mPa·s		1,500
Pot life (20 °C)	(500g) min.		35
Curing time (20 °C) due to thickness	hours		24
Curing time (130 °C) due to thickness	min		10 - 20

Properties of the cured product - tempered at 90 °C for 3 h (approx. values)

Hardness	Shore D	DIN 53505	80
Density	g/cm ³	DIN 53479	1
Tensile strength	MPa	DIN 53455	in progress
Elongation at break	%	DIN 53455	in progress
Flexural strength	MPa	DIN 53452	in progress
Dimensional stability under heat	Martens °C	DIN 53458	110

How to process the material

The stated mixing ratio must be closely observed. Resin and hardener must be mixed thoroughly (mixing by hand for approx. 3 minutes).

When using powdery or fibrous fillers, first mix resin and hardener and then stir in the fillers (dry and free from grease).

The pot-life depends to the temperature. At 20 °C and a quantity of 500g with NEUKADUR hardener 311 approx. 35 minutes.

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Form of delivery

AltroGreen EP 3200	1 kg	30 kg	200 kg	1000 kg
NEUKADUR hardener 311	0.25 kg	10 kg		
	Further packages on request			

Storage

We recommend keeping the material in tightly closed original receptacles at temperatures of 15 – 25 °C. When duly stored, the material can be used within the shelf life indicated on the labels (the first 2 digits of the batch number indicate the week, the 3rd digit indicates the year).

Measure of precaution

With the aid of the current safety data sheets, which contain physical, ecological, toxicological and other data relating to safety, the user can inform himself on the safe handling and storage of the product.

Our technical service - in words, in writing or by trials - is given according to the current state of our knowledge. It does however not relieve the customer / user from the duty to check by himself if the products supplied by us are suitable for the intended processes and purposes. Application, use and processing of the products take place beyond our control possibilities and lie therefore exclusively in the area of responsibility of the processor. Any existing property rights of third parties are to be considered. We guarantee the perfect quality of our products in accordance with our general terms and conditions of business. When handling our products you have to observe the legal rules and the rules for the industrial hygiene. As for the rest, we refer to the corresponding safety data sheets.

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