

Vinalkyd 550 PE-R/58AFC



Orthophthalic unsaturated polyester resin

Description:	It is orthophthalic, medium reactive, accelerated, non-tixotropic unsaturated polyester resin .
Use:	The resin has good mechanical strength properties and suitable for casting application with fast demolding time. <ul style="list-style-type: none">• It can be applied after gel coats;• Very good wetting properties of fibre glass• Good mechanical properties
Classification:	Meets the requirements of EU legislation . In accordance with TEST Report 2871/01.07.2016 of Institute for food Bioresources IBA Bucurest, Romania, Vinalkyd 550 PE R is suitable for production of reservoirs and pipelines, operating with foodstuffs and liquids.

Characteristics

INDEXES	NORM
Appearance: (visually)	Pink colored syrup-like liquid
Viscosity Brookfield at 23°C, sp.2/100 rpm: (ISO 2555)	200-300 mPa.s
Non-volatile content, 1g/125°C: (BNS EN ISO 3251)	58±2%
Reactivity at 25°C: (100g resin + 1g MEKP-50)	
- gel time	8-10 min
- 25°C —Tmax	11-16 min
- Exothermic peak (BNS EN ISO 584)	min.160 °C

ADDITIONAL INFORMATION

Density at 20°C: 1,13 g/cm³
(BNS EN ISO 2811-1)

Flash point: 34°C
(BNS ISO 2719)

Acid number Max.26
(BNS EN ISO 2114)

Solubility: It dissolves in styrene and acetone.

Application: Unsaturated Polyester resin Vinalkyd 550 PE-R/58AFC hardens after the following hardening system:
Add 1 g Hardener MEKP-50 to 1000 g resin. The mixture should be well homogenized and then used for preparation of the articles. The viability of the mixture is from 8 to 10 minutes and depends on the temperature of the resin, as the process of gelling accelerates additionally at temperature higher than 25°C, and the lower temperature slows down the time of gelling.

Packaging: In metal conic cans; metal barrels and cisterns from stainless steel

Storage: Store the packed unsaturated polyester resin in sheltered, dry and fireproof warehouses, protected from direct sunlight, at temperature up to 25°C.
Storage shelf life - 3 months from the production date.
Attention! Don't allow direct contact of organic peroxides with accelerators when using, transporting and storing.

Hygiene, safety work and ecology: Refer to the Safety Data Sheet for further information on the safe storage, use and handling of Vinalkyd 550 PE-R-58AFC. The Material Safety Data Sheet (MSDS) should always be read and understood thoroughly before handling the product, and adequate safety procedures should be followed.

The present technical description has the purpose to inform the clients on the quality of our product. The data herein is based on our present best knowledge. We invite our clients before work to check the quality of the product or its adaptation to the base and to make an experimental application. Our clients must be sure, that the present technical description hasn't been changed or replaced by a newer edition.
