

RESIN VE 105 T ACC25

Bisphenol-A epoxy modified vinyl ester resin

Description

- Bisphenol-A epoxy modified vinyl ester resin
- Thixotropic and accelerated resin

Properties

- Excellent mechanical properties
- Very good chemical resistance
- Very good resistance to hydrolysis
- High HDT

Non-polymerised resin physical properties

	Test method			Metric unit
Viscosity (1)	DEV MOP 02-02	2 rpm	>2000	mPa.s
		20 rpm	<800	mPa.s
		Thixotropic Index	>2.5	%
Styrene content	DEV MOP 02-06		42 – 45	
Gel time (2)	DEV MOP 02-01		22 – 27	Min

(1) Performed at 25°C, spindle 2

(2) Performed at 25°C, on 100 g + 1.25% MEKP

Non-reinforced base resin mechanical properties (*)

	Test method			Metric unit
HDT	ISO 75A		102	°C
Tg	ASTM D-3418		115	°C
Elongation at break	EN 61		5	%
Tensile strength	EN 61		85	Mpa
Flexural strength	EN 63		150	Mpa
Barcol hardness	EN 59		45	

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Uses





- Industrial parts requiring very good chemical resistance (subject to a written request indicating the product in contact)
- Shipbuilding
- Swimming-pool

For applications requiring good hydrolysis resistance, use VE 105 T ACC25 coupled with a powder mat, as a skincoat behind an ISO / NPG gelcoat.

Complementary references

- Manual application or application with a dispensing unit

Product features

User instructions		<ul style="list-style-type: none"> - Caution: the glass rate should be set between 10 to 15%. - Apply a first layer of resin without glass on the gelcoat, spray and then apply one last layer of icing to obtain a clean finish.
Curing		<ul style="list-style-type: none"> - Curing will be effective at a temperature between 15°C to 30°C. - Use a Methyl Ethyl Ketone Peroxide – MEKP – catalyst or for shorter gel times an Acetyl Acetone Peroxide – AAP – catalyst providing a higher exothermic peak. - For an optimal polymerisation, it is recommended to proceed with a post-curing of the manufactured parts – for example, for 3mm-thick parts, 2 hours at 60°C at least.
Storage	 	<ul style="list-style-type: none"> - Store in original sealed packaging, away from sunlight and according to current regulations, at a temperature between 15°C to 25°C. - This product should be stored no more than 3 months after the production date. This period may be shorter depending on storage temperature.
Health & Safety	RoHS compliant	<ul style="list-style-type: none"> - All our products comply with RoHS regulation. - All our products are heavy metals free, such as: lead, mercury, cadmium, chromium. - All our products are halogens free. - Please refer to the product Health & Safety Datasheet.

All information and suggestions given in this datasheet are based on personal work and we therefore considered them reliable. However, we cannot be held responsible for the characteristics or results obtained from the use of the above product.

Being the polyester technique (products, process...) in perpetual progress, it is the end user's responsibility to check, before any use, that they are in possession of the most recent edition of this technical sheet.

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