

NORESTER 6842

Product description

NORESTER 6842 is a vinylester hybrid laminating resin specially recommended to be laminated behind our vinylester mould gel coats (200 & 201) or our gel coats for infusion parts, to obtain a good surface finish while avoiding marking. It is recommended to produce laminates by hand layup or spray application. This resin is thixotropic and pre-accelerated. It has a very good mechanical properties and chemicals resistances. This resin is recommended for the design of a skincoat.

Physical Properties of Uncured Resin

Brookfield Viscosity at 23°C-sp3-cPoise- 5rpm	ISO 2555	2800-3800
Specific gravity at 23°C	ICON012	1.24-1.28
Solid Content - %	ICON003	64-66
Storage stability 20°C- months – TA 15 version	-	4
Storage stability 20°C- months – TA 30 version	-	3

Reactivity

Gel time at 23°C 2 % MEKP (M50) on 100g - minutes	ICON002	15
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Versions

Thixotropic & Accelerated	TA
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Viscosity & gel time versions available

	NA	-	15	30	40
TA	X	X	✓	✓	X

Mechanical properties of cured resin*

Flexural Strength	ISO 178	65 MPa
Flexural Modulus	ISO 178	4,4 GPa
Tensile Strength	ISO 527	43 MPa
Elongation at Break	ISO 527	1,9 %
Heat Distortion Temperature -HDT	ISO 75-2	81°C
Barcol Hardness	ASTM 2583	40

* To catalyse at 2% of MEKP- post cured 3h@100°C

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Application & Specificities

Recommendations before use	Application temperature between 18-25°C. Homogenize the product.
Recommendations during use	1,25 - 2,5% Methyl Ethyl Ketone Peroxide (MEKP). Mix the catalyst well. Never mix accelerator and catalyst together.
Lamination restart	Ensure that the level of adhesion achieved meets the end use of the part.
Post Curing	24h at room temperature (16-20°C) then 16h at 40°C for optimal properties.

Storage

The product must be stored in its original closed packaging at a temperature between 15°C and 25°C, away from direct sunlight.

It is the responsibility of the customer to ensure that the product is used in good conditions before the use-by date mentioned on the keg.

This product is subject to the Highly Flammable Liquids Regulations.

Please follow the MSDS of this product in order to make sure the operators wear the appropriate personal protective equipment during usage of the product.

All these results were obtained from our internal laboratory tests. Results given in this document are indicative and, to the best of our knowledge, are reliable but cannot be taken as liability. We cannot endorse any responsibility for parts manufactured with this product.