

NORESTER 6800

Product description

NORESTER 6800 is a vinylester laminating resin specially designed for general purpose. It is recommended to produce laminates by hand layup, spray application and filament winding. It is thixotroped, accelerated and promotorised. This resin has an excellent corrosion, solvent, and acids resistance. It has a very good mechanical properties and high heat resistance. This resin has a very good resistance to hydrolysis and is recommended for the design of a skincoat.

Physical Properties of Uncured Resin

Brookfield Viscosity at 23°C-sp3-cPoise- 5rpm	ISO 2555	1250-1750
Specific gravity at 23°C	ICON012	1.06-1.10
Solid Content - %	ICON003	51-54
Storage stability 20°C- months	-	3

Reactivity

Gel time at 23°C 2 % MEKP (M50) on 100g - minutes	ICON002	20
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Versions

Thixotropic & Accelerated	TA
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Viscosity & gel time versions available

	NA	10	20	30
TA	X	✓	✓	✓

Mechanical properties of cured resin*

Flexural Strength	ISO 178	104 MPa
Tensile Strength	ISO 527	64 MPa
Elongation at Break	ISO 527	4.5 %
Heat Deflection Temperature -HDT	ISO 75-2	91°C
Barcol Hardness	ASTM 2583	45

* To catalyse at 2% of MEKP- post cured 3h@80°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. If the time between two laminates exceeds 24hours, we recommend sanding the surface slightly to ensure a good interlaminar adhesion.
Post Curing	24h at room temperature (16-20°C) then 16h at 40°C for optimal properties.

Storage

<p>The product must be stored in its original closed packaging at a temperature between 15°C and 25°C, away from direct sunlight.</p> <p>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.</p> <p>This product is subject to the Highly Flammable Liquids Regulations.</p> <p>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.</p>
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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.