

NORESTER 6811

Product description

NORESTER 6811 is a vinylester based on Bisphenol A-Epoxy resin specially designed for general purpose. It is recommended to produce laminates by hand layup. It is recommended for FRP storage tanks, vessels, ducts, and on-site maintenance projects, particularly in chemical processing. It is clear, thixotropic, and accelerated. This resin has very good mechanical and chemical properties. It has shorter gel to cure time, in order to reduce stress cracking.

Physical Properties of Uncured Resin

Brookfield Viscosity at 25°C-sp3-cPoise- 5rpm	ISO 2555	1600 - 2000
Specific gravity at 25°C	ICON012	1.10 - 1.14
Solid Content - %	ICON003	56 - 62
Storage stability 20°C- months	-	3

Reactivity

Gel time at 25°C 2 % MEKP (M50) on 100g - minutes	ICON002	15
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Viscosity & gel time versions available

	NA	15	20	30	40
TAX	X	✓	✓	✓	X

Mechanical properties of cured resin – Typical values*

Flexural Strength	ASTM D 790	135 MPa
Tensile Strength	ASTM D 638	88 MPa
Elongation at Break	ASTM D 638	5.5 %
Heat Distortion temperature -HDT	ASTM D 648-A	103°C
Barcol Hardness	ASTM 2583	40

* To catalyse at 1.2% of MEKP- post cured 2h@120°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.
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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