

 NORD COMPOSITES	TECHNICAL DATA SHEET	NORESTER 680 TPA Vinylester resin NTR 079 E – 10/05/2005
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1- CHARACTERISTICS

Resin **Norester 680 TPA** is a vinylester resin with excellent corrosion resistance it is thixotroped, promoted with cobalt and amine .

Excellent solvent and acid resistance. High flexural strength. High heat resistance.

Norester 680 TPA can be used for hand lay-up and spray-up, filament winding.

The Norester 680 TPA cures at ambient temperature with addition of MEKP.

2- PROPERTIES OF LIQUID RESIN

Brookfield viscosity (ISO2555 - 20°C – sp3)	5 rpm 1750 mPa.s 50 rpm 800 mPa.s
Specific gravity (ISO 1675 – ICON 012)	1.10g/cm ³
Geltime (ICON 002) (20°C – 2% MEKP on 100gr)	15 – 20 minutes

Acid value	12 mgKOH /g
No volatile content (ICON 003)	62%

3-PROPRIETES DE LA RESINE POLYMERISEE

Shrinkage volume	8.3%
Flexural strength (ISO 178)	149.6 MPa
Flexural modulus (ISO 178)	8.3 GPa
Tensile strength (ISO 527)	120 MPa

Elongation at break (ISO 527)	3 - 4%
Temperature of deflection under load (ISO 75-3)	145 °C
Barcol hardness (ASTM 2583)	50

4- APPLICATION ADVICES

To obtain optimum characteristics, it is necessary to add a peroxyde MEKP. Be careful not to add less than 1% of MEKP or more than 3% of MEKP.

5- PACKAGING

Available in cans of 25 kg and in drums of 225 kg.

6- STORAGE CONDITIONS AND HANDLING

Minimum storage life : 3 months.

The resin is subject to the Highly Flammable Liquids Regulations 1972. The resins should be stored under cool conditions in closed, opaque containers at a temperature not exceeding 25°C. Avoid exposure to heat sources such as direct sunlight.

Nous garantissons la conformité de nos produits avec les spécifications données ci-dessus. Nous dégageons toute responsabilité pour tout dommage ou perte causée suite à une mauvaise utilisation du produit.