

## 1 CHARACTERISTICS

The resin **NORESTER® 090 TPA** is a fire retardant resin formulated from polyester DCPD resin. It is thixotropic, pre-accelerated and clear resin.

- Application hand lay-up and spray-up.
- Polymerise at room temperature with addition of MEKP.
- Good wetting out of reinforcements.
- Give clear laminates.

**NORESTER® 090 Series** is a clear resin and gives laminates, which answer to this following classification:

- **Class 2 according to the norm BS476 part 7 (Certificate N°P104112-1000 dated on 26/05/2016).**

## 2 PROPERTIES OF THE LIQUID RESIN

Aspect	Blue green liquid
Brookfield viscosity (ISO 2555 - 20°C - sp3)	5 rpm : 1800 - 2200 cP 50 rpm : 630 - 730 cP
Specific gravity (ICON 012)	1.12 - 1.14 g/cm <sup>3</sup>
Gel time (ICON 002) (20°C - 2% MEKP on 100 g)	10 - 14 minutes
Non volatile content (ICON 003)	54 - 57%

## 3 RECOMMENDATIONS BEFORE USE

- Mix the product thoroughly before use so as to have a homogeneous mixture.
- Before use, check that the temperature of the product, the mould and the room is between 18°C and 25°C.
- Mix the peroxide well, never put under 1% or over 2%.
- We recommend adding 2% of MEKP peroxide in the resin.
- We retain the attention on the fact that the **NORESTER® 090 TPA** is classified according to the certificate named above and tested on applications produced in our laboratory. It is the responsibility of the customer to assure that the parts he produces are well classified.

## 4 POST CURING

To obtain optimum resistance properties, the laminate with the **NORESTER® 090 TPA** must be post-curing. In order to accelerate the hardening, the laminate stays at ambient temperature (16 to 20 °C) during 24 hours followed a post-curing of 16 hours at 40°C. We advise to do a post-curing immediately after ripening period to obtain optimum results.

## 5 PACKAGING

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

### **IMPORTANT**

*All of the results obtained according to trials in our laboratory. However, we don't be responsible of manufactured parts with the resin **NORESTER® 090 TPA**, if the application conditions specified are not respected.*

*It is imperative that the user must also ensure that his application and his process are appropriate for this product to be used. We hereby the conformity of our products with the above specifications. We cannot be responsible for any damage caused by misuse of this product or use of the product for an application not covered in the design.*



## **6 STORAGE CONDITIONS AND HANDLING**

Storage life: **NORESTER® 090 TPA** resin is stable for 3 months from date of production. The product must be stored in original closed packaging at a temperature between 15°C and 25°C, away from direct sunlight.

It is the responsibility of the customer to assure that the product is used in good conditions overall before the date limitation mentioned on the keg.

This resin is subject to the Highly Flammable Liquids Regulations.

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