

1 CHARACTERISTICS

Polyester resin **R568 TPA** is clear ISO-NPG, thixotroped, pre-accelerated.

- Thixotroped resin formulated for laminating by contact or spray up.
- No drainage on inclined surface.
- Pre-accelerated resin which cures at ambient temperature with addition of MEKP.
- Good mechanical properties.
- Good chemical properties.
- Good hydrolysis resistance.
- **R568 TPA** is designed to bond to rigid PVC (uPVC). Provided that the surface is clean and grease-free GRP/uPVC mouldings have a good adhesion. Nevertheless abrasion of the uPVC surface will improve the adhesion.
- Food contact applications: according to the global migration test.
Report RE N° -15/12309 of 21 July 2015.

2 PROPERTIES OF THE LIQUID RESIN

Brookfield viscosity (ISO 2555 - 23°C - sp3)	5 rpm : 1300 - 1700 cP 50 rpm : 600 - 800 cP
Specific gravity (ICON 012)	1.15 g/cm ³
Gel time (ICON 002) (23°C - 2% MEKP on 100 g)	6 - 10 minutes
Non volatile content (ICON 003)	56 %

3 MECHANICAL PROPERTIES OF THE CURED RESIN

Flexural strength (ISO 178)	140 MPa
Tensile modulus (ISO 527)	3.7 GPa
Tensile strength (ISO 527)	85 MPa
Elongation at break (ISO 527)	4%
Temperature of deflection under load (HDT) (ISO 75-3)	100°C
Barcol hardness (ASTM 2583)	45

4 VERSIONS

This resin is available in:

- Pre-accelerated and low viscosity version, **R568BV** with a viscosity at 50 rpm: 300 - 350 cP (23°C - sp3) and a gel time of 7 - 9 min (23°C - 2% MEKP on 100 g).
- Long gel time version, **R568TPALGT** with a gel time of 14 - 22 min (23°C - 2% MEKP on 100 g).

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® 568 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.



5 RECOMMENDATIONS BEFORE USE

- We advise to mix the product before use.
- Never put under 1% or over 2.5% of catalyst agent.
- The catalyst indicator permits to check the mix homogeneity resin – catalyst.

6 POST CURING

To obtain optimum resistance properties, the laminate with the **NORESTER® 568 TPA** must be post-curing. In order to accelerate the hardening, the laminate stays at ambient temperature (16 à 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.

7 PACKAGING

Available in kegs of 25 kg and in drums of 200 kg.

8 STORAGE CONDITIONS AND HANDLING

Storage life: **NORESTER® 568 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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