



## **1. CHARACTERISTICS**

The gel coat **GC 860 9901** is based on a polyester ISO-NPG resin. It is recommended for a use in the sanitary industry.

- Translucid gel coat.
- Thixotropic and pre-accelerated
- The gel coat is formulated for spray application.
- Good resistance to the thermal shocks.

## **2. PROPERTIES OF LIQUID GEL COAT**

Brookfield viscosity (ISO 2555 - 20°C - sp5)	5 rpm : 100 - 140 Poises 50 rpm : 19 - 25 Poises
Specific gravity (ICON 012)	1.08 - 1.12 g/cm <sup>3</sup>
Geltime (ICON 002) (20°C – 2% MEKP on 100 g)	22 - 28 min
Non volatile content (ICON 003)	52 - 56 %

## **3. PROPERTIES OF CAST GEL COAT**

Flexural strength (ISO 178)	134.6 MPa
Flexural modulus (ISO 178)	3.93 GPa
Tensile strength (ISO 527)	65.4 MPa
Elongation at break (ISO 527)	4.01 %
Temperature of deflection under load (HDT) (ISO 75-3)	70°C
Barcol Hardness (After post-cured 3 hours at 80°C)	40 - 45

## **4. VERSION**

This gel coat is available in brush application: **GP 860 9901**. With a gel time of 11 - 15 min (20°C - 2% MEKP on 100 g), a viscosity at 5 rpm: 375 - 225 Poise and at 50 rpm: 70 - 90 Poise (20°C - sp6).

## **5. APPLICATION ADVICE**

- Mix the peroxide well, never put under 1% or over 3%.
- Gel coat **GC 860 9901** is ready to use; check to homogenize the product before its use.
- Put 0,4 to 0,5 mm thickness of gel coat approximately 500 g/m<sup>2</sup>. Avoid thickness especially in angles. We recommend the application of several thin layers rather than a thick one.

## **6. POST CURING**

### **IMPORTANT**

*All of the results obtained according to trials in our laboratory. However, we don't be responsible of manufactured parts with the **GC 860 9901**, 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.*



To obtain optimum resistance properties, the laminate with the gel coat **GC 860 9901** 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. Barcol hardness is a good indicator of polymerisation degree.

## **7. PACKAGING**

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

## **8. STORAGE CONDITIONS AND HANDLING**

Storage life: Gel coat **GC 860 9901** 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.

The gel coat is subject to the Highly Flammable Liquids Regulations.

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