

1 CHARACTERISTICS

Gel coat **GC 203** is based on a vinylester resin. Specially formulated for achievement of technical parts, with good mechanical characteristics and a good chemical resistance.

- Thixotropic and pre-accelerated.
- Formulated for spray applications
- Fast drying
- High quality with very good mechanical properties.
- High brightness.
- No porosity.

2 PROPERTIES OF LIQUID GEL COAT

Brookfield viscosity (ISO 2555 - 20°C – sp5)	5 rpm : 90 - 150 Poise 50 rpm : 18 - 22 Poise
Specific gravity (ICON 012)	1.16 - 1.22 g/cm ³
Geltime (ICON 002) (20°C – 2% MEKP on 100 g)	12 - 18 minutes
Non volatile content (ICON 003)	55 - 57%

3 MECHANICAL PROPERTIES OF CAST GEL COAT

Temperature of deflection under load (HDT)* (ISO 75-3)	133°C
Barcol hardness*	45

* Mechanical tests carried out on 5 specimens of cast gel coat **GC 203** catalysed with 2% of MEKP M50, curing time at room temperature for 24 hours, then post cured for 3 hours at 80°C.

4 VERSIONS

Gel coat **GC 203** is available in the following colours: blue 5900, green 6900, black 9900, orange 2900 or clear 9901.

5 RECOMMENDATIONS BEFORE USE

- Mix the peroxide well, never put under 1% or over 2.5%.
- We recommend to catalyse with 2% MEKP M50.
- Never apply the **GC 203** at temperature under 18°C.
- Put 0.4 to 0.5 mm thickness of gel coat (about 500 g/m²).
- Avoid excess thickness especially in angles. It is not recommend to apply one thick film, rather to apply several thin layers.

IMPORTANT

*All of the results obtained according to trials in our laboratory. However, we don't be responsible of manufactured parts with the **GC 203**, 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 POST CURING

To obtain optimal resistance properties, the laminate with the **GC 203** should be post cured. Keep the laminate at ambient temperature (18- 20°C) during 24 hours after the application of the last layer of moulding resin. Then post cure for 16 hours at 40°C.

7 PACKAGING

Gel coat **GC 203** is available in cans of 5 to 25 kg and drums of 225 kg.

8 STORAGE CONDITIONS AND HANDLING

Storage life : Gel coat **GC 203** 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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