CompoGraph
GRAPHENE RESIN

POLIGRAPH 70 PLUS RESIN

Edition date: 01/03/24
VERSION: REV05

1. DESCRIPTION

Medium-high viscosity and isophthalic polyester resin.

2. PROPERTIES

- **Fast curing cycle.**
- **Excellent impregnation into the glass.**
- **Fully compatible with pigments.**
- **High mechanical properties.**
- **High resistance to water, temperature.**
- **Improvement of thermal conductivities.**

3. APPLICATIONS

- It is specially designed as a base resin for fibreglass work.
- It has good intercoat adhesion and very low linear and volumetric shrinkage.
- The percentage of mek peroxide should be between 0.75% and 1.5%, although it can be increased up to 2% to reduce gel time.
- The application can be manual or by machine.
- Can be used in pultrusion processes.

4. TECHNICAL CHARACTERISTICS

Appearance	Dark liquid
Exothermic peak temperature (in 46 min)	54.3 ºC
Thixotropy index	1,77
Gel time (25ºC)(1)	5 - 7 min
Viscosity brookfield (H2V30 , 25ºC)	2000 – 2300 cps

(1) 100/0.3 CO/1.5 PMEK

5. MECHANICAL CHARACTERISTICS

Flexural modulus	9124 MPa
Flexural strength	72 MPa
Maximun deflection dL	0.83 mm
Tensile modulus	5190 MPa
Tensile strength	39 MPa
Elongation at break	0.84 %

Mechanical properties of the catalysed resin

Flexural modulus	64120 MPa
Flexural strength	1125 MPa
Maximum deflection dL	5.19 mm
Tensile modulus	22200 MPa
Tensile strength	750 MPa
Elongation at break	6.5 %

Mechanical properties of glass fibre reinforced resin (75%)

6. STORAGE AND PACKAGING

- The product should be stored in a **dry place** at a temperature not exceeding 25ºC.
- The expiry date is **6 months** under these conditions.
- The existing containers are **barrels, tank.**
- For other quantities: **contact us.**