

POLIGRAPH LV90

V04 26/02/25

1. DESCRIPTION

Very low viscosity orthophthalic polyester resin, fully polymerisable, with medium reactivity and low linear and volumetric shrinkage.

2. PROPERTIES

- **Fast curing cycle.**
- **High mechanical properties.**
- **Easily impregnates mineral fillers.**

3. APPLICATIONS

- Specially designed as a casting resin.
- Excellent intercoat adhesion and very low linear and volumetric shrinkage.
- Inert mineral fillers such as calcium carbonates, calcium sulphates, dolomite or silica can be added. The percentage of mek peroxide to be added is between 1.5% and 2%.
- The application can be manual or by machine.
- Suitable for use in infusion, filament winding or spray processes.

4. TECHNICAL CHARACTERISTICS

Appearance	Dark liquid
Exothermic peak temperature	120 - 175 °C
Gel time (25 °C) ⁽¹⁾	4 - 15 min
Brookfield viscosity (H2V100, 25 °C)	80 – 200 cps

(1) 100g resin + 0,25g Co(6%) + 2% MEK

5. MECHANICAL CHARACTERISTICS

Flexural modulus	3 000 - 4 000 MPa
Flexural strength	65 - 85 MPa
Maximum deflection (dL)	2 - 3 mm
Tensile modulus	2 000 - 3 000 MPa
Tensile strength	40 - 60 MPa
Elongation at break	2 - 3 mm

Mechanical properties of the catalysed resin

6. STORAGE AND PACKAGING

- The product should be **stored in a dry place** at a temperature not exceeding **25 °C**.
- The expiry date is **6 months** under these conditions.
- Generally, the products will be supplied in **drum and IBC** format.
- For other quantities and/or packaging: **contact us**.