

POLIGRAPH LV90 RESIN

Edition date: 12/04/23
VERSION: REV02

1. DESCRIPTION

Orthophthalic polyester resin of very low viscosity, fully polymerisable, of medium reactivity and low linear and volumetric shrinkage. low linear and volumetric shrinkage.

2. PROPERTIES

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

3. APPLICATIONS

- It is specially designed as a casting resin.
- It has good interlayer 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.
- Can be used in infusion processes.

4. TECHNICAL CHARACTERISTICS

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

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

5. MECHANICAL CHARACTERISTICS

| | |
|------------------------------|----------|
| Flexural modulus | 3379 MPa |
| Flexural strength | 108 MPa |
| Maximun deflection dL | 4,42 mm |
| Tensile modulus | 2700 MPa |
| Tensile strength | 50,7 MPa |
| Elongation at break | 2 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.
- The existing containers are **barrels, IBC, tank**.
- For other quantities: **contact us**.