



# polimal®

# 150

### Application.

**Polimal 150** is used as an additive for making the rigid constructional resins flexible, in order to make the glass and polyester laminates flexible and gaining higher impact resistance and higher elongation at break.

### Resin characteristics.

**Polimal 150** is orthophthalic resin, elastic, with low reactivity, of high great elongation at tension. It has low polymerisation shrinkage. The product has positive health evaluation (Certificate of National Hygienic Institute No.1/B-846/94) and is designed for construction industry and production of various products.

### Typical parameters of Polimal 150

Viscosity, 25°C acc. to DIN 53015	mPa s	<b>300 - 400</b>
Gel time (25°C) acc. to ISO 2535	min	<b>30-40</b>
Tensile strength acc. to ISO 527	MPa	<b>12</b>
Elongation at tension acc. to ISO 527	%	<b>30</b>
Shore hardness	°Sh	<b>80</b>

\*gel time : 0.4% cobalt accelerator 1%Co ,  
and 2% MEKP medium-active [Luperox® K-1]

### Storage conditions

The resin should be stored in closed container, in dry, well-ventilated and shaded storage room adapted for storing inflammable materials at temperature to 25°C.

### Processing conditions.

The resin required to be used for processing should have the temperature above 15°C. Good curing requires the ambient temperature above 18°C and low air humidity. The favourable curing conditions are received in 1kg resin: cobalt accelerator 1% Co in the amount of 4 - 25 ml and 20 ml MEKP hardener (e.g. **Luperox K-1**). Gel time control is achieved by changing the amount of accelerator (within the range as above). By reducing the amount of hardener [the best within the range 10 - 20 ml/kg of resin], the temperature peak can be reduced. It requires increasing the amount of accelerator in order to keep the gel time.

### Version:

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**Polimal®** is the trade name reserved for unsaturated polyester resins produced by Zakłady Chemiczne „Organika - Sarzyna” S.A.

**Luperox®** is the trade name registered for products of ARKEMA company.

Data and suggestions included in this document are on the basis of our own tests and are considered by us as reliable. However, we cannot take any responsibility for actions and losses directly or indirectly resulted from using our products. User should check the product quality, safety and properties before its using.

### Note:

The information does not substitute Material Safety Data Sheet, Company Standard or Industrial Standard or Technical Specification, which are superior documents and are available on the customer's request.