

**TECHNICAL INFORMATION**

# POLIMAL<sup>®</sup>

# 1061 P

## Application

**Polimal 1061 P** is designed for production of resinous – mineral casts, including artificial marble and solid surface.

## Features

**Polimal 1061 P** is orthophthalic – neopentyl, pre-accelerated, unsaturated polyester resin.

### Advantages of the resin usage

- very good processing features.
- very good mechanical and utility parameters,
- increased UV resistance.

## Typical parameters

Parameter/Standard	Unit	Value
<b>Viscosity at 25°C</b> acc.to ISO 3219	mPa s	<b>720 - 850</b>
<b>Gel time at 25°C</b> acc. to DIN 16945	min	<b>12 – 15</b>
<b>Tensile strength</b> acc. to ISO 527	MPa	<b>60</b>
<b>Flexural strength</b> acc. to ISO 178	MPa	<b>110</b>
<b>Tensile modulus</b> acc. to ISO 527	MPa	<b>3900</b>
<b>Elongation at break</b> acc. to ISO 527	%	<b>2</b>
<b>Heat Deflection Temperature (HDT)</b> acc. to ISO 75	°C	<b>70</b>
<b>Barcoll hardness</b> ASTM-D 2583-95	°B	<b>50</b>
<b>Guarantee period</b>	month	<b>3</b>

Czas żelowania z :2,0% Luperox K-1S

Mechanical parameters refer to not reinforced resin curing for 24 hours at room temperature and post curing for 2 hours at 80°C.

## Storage conditions

**Polimal 1061 P** should be stored in close package in a dry, shady and cool places at temperatures not exceeding 25°C.

## Processing conditions

**The resin should be mixed before use.** The resin of the temperature above 15°C is required for processing. Good curing requires ambient temperature at least 18°C and low air humidity. The best curing conditions are obtained using 2% MEKP as hardener. It is possible to adjust gel time by varying of amount of hardener, the best within in the range of 1 – 2 %. The final curing could be optimize by postcuring at elevated temperatures.

**Polimal<sup>®</sup>** is the trade name reserved for unsaturated polyester resins produced by **CIECH - Sarzyna S.A.**

**Luperox<sup>®</sup>** is the trade name registered for products of **ARKEMA** company.

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### Note:

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