

**DEPOL P-460** is a medium-reactive, non -preaccelerated, unsaturated, orthophthalic-based polyester resin.

## 1. BASIC CHARACTERISTICS AND APPLICATION AREA

Due to its good mechanical, thermal and electric properties and also weather resistance it is commonly used in:

- production of fiberglass
- production of polymer-concrete

Working with resin requires room temperature and using of accelerator-hardener system (cobalt octoate – MEKP).

## 2. RESIN DELIVERY CHARACTERISTICS

| Property  | Unit              | Value  | Method  |
|---|-------------------|--|---|
| 1. Appearance   |                   | Slight opalescence without mechanical impurities | Visual  |
| 2. Non-volatile-matter content                        | %                 | 60±2   | GOST P 52487 and p. 4.4. of Technical Specification |
| 3. Viscosity 20°C; VZ2,4,6/4                          | sec               | 90-130   | GOST 8420   |
| 4. Acid value   | mgKOH/g           | 20-30  | ISO 3682  |
| 5. Density 20°C                                       | g/cm <sup>3</sup> | 1,13±0,05  | GOST 18329 and p. 4.3 of Technical Specification    |
| 6. Gel time:<br>3 g 50% MEKP<br>2 g 1% Co-naphthenate | minutes           | 6-12   | GOST 22181 and p. 4.5 of Technical Specification    |
| 7. Flash point  | °C                | 31   | ISO 3679  |

## 3. CURING CHARACTERISTICS OF RESIN

| Gel time 20°C (method: Dugalak)                    |                        |   |
|--|------------------------|---|
| Co-naphthenate (1%)<br>1%<br>2%                    | MEKP (50%)<br>2%<br>3% | 17-22 min<br>7-12 min                                     |
| Curing 80°C with 2% of BP 50 (method: ISO R / 584) |                        | 65°C-90°C=6-8 min<br>65°C-Tmax=9-10 min<br>Tmax=195-205°C |

## 4. STANDARD PACKAGING

220 kg two-necked metal barrels, 1000 kg IBC.

[www.dugalak.com](http://www.dugalak.com)

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## 5. STORAGE

**Warranty period** 6 months

**Storage conditions** resin should be stored indoors at 25°C in its original packaging, it should be kept away from direct sunlight

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