

ORGACRYL ROH 28 – 60 X



Hydroxyl-acrylate copolymer

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| Supply form: | 60% solution in xylene |
| Use: | Acrylate copolymer that contains OH groups – 2,8% (solid resin). It is used for formulating of two-component systems for industrial metal coatings – lacquers, primers and topcoats. |
| Classification: | Meets the requirements of EU legislation. |

CHARACTERISTICS

| INDEXES | NORM |
|--|----------------------|
| Appearance: (visually) | Clear viscose liquid |
| Colour Gardner, form of delivery: (BNS ISO 4630) | max 1 |
| Non-volatile content, 150°C/1 h: (BNS EN ISO 3251) | 60±2 % |
| Viscosity Hoppler at 25°C: (BNS 15654-83) | 6 000-10 000 mPa.s |
| Dilution viscosity at 23°C (conditional viscosity, DIN-4/20°C on solution: 100 g resin + 40 g xylene): (DIN 53211-4) | 60-100 s |
| Acid number, form of delivery: (BNS EN ISO 3682) | max 5 mgKOH/g, |
| Hydroxyl number of 100 % resin: (BNS EN ISO 4629) | 85-95 mgKOH/g |

OTHER INFORMATION

Density at 20°C: 1,0 g/cm³
(BNS ISO 2811-1)

Gardner viscosity at 25°C: Z4 – Z5
(ASTM D - 1545)

Flash point, covered pot: 30°C
(BNS ISO 2719)

Solubility: Esters, ketone, glycol esters and aromatic hydrocarbons

Application: Orgacryl ROH 28-60 X is acrylate resin for formulation of two components colourless coatings and topcoats. For hardening use aliphatic isocyanates in ratio NCO:OH=1:1. The coatings have high gloss, resistance to chemicals and atmospheric impacts

Polyisocyanate stoichiometry calculation:

$$\text{Polyisocyanate (f.o.d.)} = \frac{42 \times 100 \times \text{OH\% (solid resin)}}{17 \times \text{NCO\% (f.o.d.)}}$$

42= molecular weight of the NCO group

17= molecular weight of the OH group

f.o.d.= form of delivery

OH% (solid resin)=2,8 %

Packaging: In metal barrels; plastics containers; cisterns from stainless steel

Storage: Store in well closed packages, in sheltered, dry and well-ventilated storages, protected from direct sunlight, at a temperature up to 30°C.
Shelf life -12 months from the production date.

Hygiene, safety work and ecology: Refer to the Material Safety Data Sheet for further information on the safe storage, use and handling of Orgacryl ROH 28-60 X. The Material Safety Data Sheet (MSDS) should always be read and understood thoroughly before handling the product, and adequate safety procedures should be followed.

The present technical description has the purpose to inform the clients on the quality of our product. The data herein is based on our present best knowledge. We invite our clients before work to check the quality of the product or its adaptation to the base and to make an experimental application. Our clients must be sure, that the present technical description hasn't been changed or replaced by a newer edition.

Orgachim Resins®

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