

POLIKOL 4000

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| CHEMICAL NAME | Polyoxyethylene glycol |
| INCI NAME | PEG-90 |
| CAS NUMBER | 25322-68-3 |
| FUNCTION | Emulsifier, wetting agent |
| TECHNICAL REQUIREMENTS | <p>Appearance at temperature (20±25)°C..... white to pale yellow solid</p> <p>pH of 5% solution 5.0 ÷ 7.5</p> <p>Hydroxyl value, mgKOH/g 25 ÷ 30</p> <p>Water, %m/m max 1.0</p> |
| GENERAL DATA | <p>Molecular weight, g/mol..... approx. 4000</p> <p>Solubility in water good</p> <p>Other solvents methanol, ethanol, ethylene glycol</p> <p>Density at 70°C, g/mL approx. 1.08</p> <p>Solidification point, °C approx. 55</p> <p>Flash-point, °C above 220</p> <p>Odour weak, characteristic</p> |
| APPLICATION | <p>Softening and antielectrostatic agent used in household chemicals, ceramics, paper, cosmetic and metal sectors. It is used as a water-soluble ingredient in hard cosmetics, such as lipsticks. POLIKOL 4000 can be used as a moisture-retaining agent in cosmetic preparations, e.g. in creams, facial cleansers, peels, and in make-up removing preparations. It can be added to a formulation to improve its rheological properties (increase its viscosity). The product can also be used as a carrier of active substances and a binder in dishwasher bars, washing tablets and bath salts. In industrial applications, it is a component of lubricants, mainly water-soluble synthetic machining fluids and heat transfer fluids.</p> |