

POLIKOL 4000 PILLS

CHEMICAL NAME	Polyoxyethylene glycol
INCI NAME	PEG-90
CAS NUMBER	25322-68-3
FUNCTION	Softener, antistatic agent
TECHNICAL REQUIREMENTS	<p>Appearance at temperature (20±25)°C... white to pale yellow solid in the form of pastilles</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 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>