**Product description (polyethylene glycol)**

**Product Name：**polyethylene glycol

**Product application：**The series of PEG is non-toxic, non-irritating, has good water solubility, and has good compatibility with many organic components，It has excellent lubricity, moisturizing, dispersion, adhesive, antistatic agent and softener，It has been widely used in cosmetics, pharmaceuticals, chemical fibers, rubber, plastics, paper, paints, electroplating, pesticides, metal processing and food processing.

**Quality indicators：**

Table 1 Liquid polyethylene glycol quality index

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | appearance（25℃） | chroma (Hazen) ≤ | Average molecular weight | pH level(5%aqueous solution) | moisture content/% ≤ |
| PEG200 | 透明液体 | 20 | 195～205 | 5.0～7.0 | 0.20 |
| PEG400 | 透明液体 | 20 | 395～415 | 5.0～7.0 | 0.20 |
| PEG600 | 透明液体或白色膏状 | 20 | 585～615 | 5.0～7.0 | 0.20 |
| PEG800 | 白色膏体或液体 | 20 | 785～815 | 5.0～7.0 | 0.20 |

Table 2 Solid polyethylene glycol Quality index

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | appearance （25℃） | chroma(Hazen) ≤ | Average molecular weight | pH level(5%aqueous solution) | Kinematic viscosity（40℃）/（mm2/s）（25%aq） |
| PEG1000 | White waxy solid | 30 | 950～1050 | 5.0～7.0 | — |
| PEG1500 | White waxy or flaky solid | 30 | 1450～1550 | 5.0～7.0 | — |
| PEG2000 | White flaky solid | 30 | 1800～2200 | 5.0～7.0 | 4.0～5.0 |
| PEG3000 | White flaky solid | 30 | 2800～3200 | 5.0～7.0 | 5.0～6.0 |
| PEG4000 | White flaky solid | 30 | 3800～4200 | 5.0～7.0 | 6.0～8.0 |
| PEG6000 | White flaky solid | 30 | 5600～7000 | 5.0～7.0 | 10.0～15.0 |
| PEG8000 | White flaky solid | 50 | 7500～9000 | 5.0～7.0 | 14.0～18.0 |
| PEG10000 | White flaky solid | 70 | — | 5.0～7.0 | 18.0～28.0 |
| PEG20000 | White flaky solid | 70 | — | 5.0～7.0 | 40.0～80.0 |

Remark：Test Method in HG/T4134-2010《Industrial polyethylene glycol（PEG）》.

**Packing specifications：** 25KG/bucket or 200Kg/barrel by liquid，Composite plastic woven bag or Paper bags 25kg/bag by Flake products；

**Storage and transportation conditions：** This series of products is non-toxic and non-flammable，During transportation, the sun and rainforest should be prevented and the packaging should be kept intact。Store in a cool, dry, ventilated place。

**Product shelf life：** Under the prescribed storage conditions,The shelf life of PEG6000 and below is 2 years，The shelf life of PEG8000, PEG10000, PEG20000 products is 1 year。