

Technical Data Sheet

Sunpol 981

Carbomer
 CAS# 9003-01-4

Description

Sunpol 981 is cross-linked polyacrylate copolymer. It is water soluble thickener, so it is usually used to modify the viscosity of liquid.

Specifications

| Item | Specification |
|---------------------------------------|----------------------|
| Appearance | Fluffy, white powder |
| Loss on drying (%w/w) | Max. 2.0 |
| Residual acrylic acid (%) | Max. 0.25 |
| Residual benzene (%) | Max. 0.45 |
| Viscosity (mPas, 0.5% Solution) | 4,000 ~ 11,000 |
| Brookfield RVF or RVT (0.2% Solution) | 2,000 ~ 7,000 |
| Clarity Transmission (0.5% Solution) | Min. 85 |
| (%, 420 nm) (0.2% Solution) | Min. 85 |
| Packing density (g/100 mL) | 21.0 ~ 27.0 |
| Heavy Metal (ppm, Pb+As+Hg+Sb) | Max. 10 |

Applications

Sunpol 981 plays important roles in cosmetics, such as stabilize the system of gel. And it could be used for pharmaceutical products.

Storage

Store in a cool, dry, well-ventilated area. Keep container closed when not in use.

Shelf life

4 years