

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