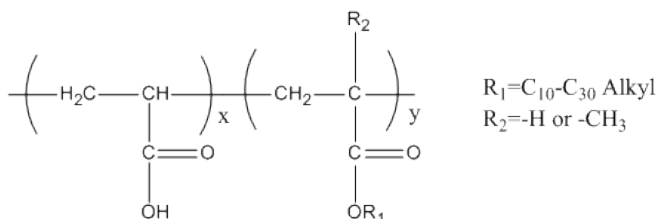


Technical Data Sheet

Sunpol 940(T)

Carbomer

CAS# 9003-01-4



Feature

- Short flow properties
- Stabilization
- Suspension & Thickening
- Good efficacy in high pH

Specifications

Item	Specification
Appearance	Fluffy, white powder
Viscosity (mPa·s, 0.5% aq. soln., 20r/min, 25°C)	45,000 ~ 80,000
Solution clarity (%, 0.5% aq. soln., 420nm)	≥80
Loss on drying (%)	≤3.0

Application

It is recommended to use in automatic dish care, hard surface cleaners, home care cleaning systems, gelled fuels and other common industrial systems.

Formula Guidelines

- Typical recommended dosage : 0.2~1.0 wt%
- To disperse completely, it should be slowly and carefully sifted to dispersion medium while the mix is stirred rapidly to avoid possible formation of lumps.
- Higher shear rates helps disperse the polymer rapidly; however, extremely high shear rate mixer should be carefully employed to avoid viscosity loss.
- For easier processing of a 2~5 wt% dispersion, 400 ppm of an inorganic acid can be added to the water prior to dispersion of the polymer
- Under high shear agitation, dispersions of Sunpol 940(T) can stabilize entrapped air. Antifoam, at use levels of 0.02~0.05 wt%, can be added to the water prior to Sunpol 940(T) in order to minimize or eliminate foaming.

Storage

Keep tightly closed in cool, dry and well-ventilated area

Shelf Life

2 years