

Technical Datasheet

Carbomer SAT-260

INCI-name: Carbomer

Specification		
Appearance*		white, fluffy powder
Viscosity* (20 rpm /25°C, neutralized solution) mPas		0,2%: 2000 – 7000 0,5%: 4000 - 11000
Solution clarity* % (transmission / 420nm, neutralized in water)		0,2% > 85 0,5% > 85
Residual solvent* % (Ethylacetate/cyclohexane)		<0,45
Residual acrylic acid* %		<0,25
Loss on drying** %		<2,0
Bulk density** g/100ml		19,5 – 23,5
Heavy metals*** mg/kg		As <2 Pb+As+Hg+Sb <10

*tested on each lot, **tested periodical, *** type inspection

Application:

Satcotek Carbomer SAT-260, a crosslinked polyacrylate, is a high efficient thickener and suspending agent. Neutralized Carbomer SAT-260 is an outstanding long flow thickener with excellent performance for clear gels, creams and lotions. Carbomer SAT-260 has a moderate electrolyte tolerance.

Carbomer SAT-260 forms gels with very good viscosity stability at temperature changes. Please avoid intensive shearing after neutralization, viscosity could decrease. As well an addition of electrolyte or long lasting UV irradiation can reduce the viscosity.

Formulation guideline:

Dosage 0,1 – 1,5%

Add Carbomer SAT-260 slowly, with fast stirring (800 – 1200rpm) to the medium. Usage of a coarse sieve, to sift the Carbomer in, is helpful to avoid lumping.

In cold process emulsification, Carbomer SAT-260 is the best disperse first in the oil phase. Add the oil phase to the water phase containing the neutralizing agent.