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Technical Data Sheet

Basic information

Chemical name	Carbomer 980	Formula	(C ₃ H ₄ O ₂) _n
Synonyms	Carbopol 980		
CAS.No.	9003-01-4		
EINECS No.	202-415-4	Chemical structure	N/A
Molecular weight	N/A		

Physical properties

TNJ Carbomer 980 are a class of high molecular weight, Water-soluble polymer and rheology modifier. It is a proven exceptional thickener, suspending agent and stabilizer utilized in a wide variety of personal care products. Carbomer is an extremely efficient rheology modifier capable of providing high viscosity and forms sparkling clear water or hydroalcoholic gels and creams. 980 polymer offers performance properties same as those of Carbomer 940, but is toxicologically preferred since it is polymerized in a co-solvent system, Ethyl Acetate/ Cyclohexane.

TNJ Carbomer 980 is a cross-linked polymer used for thickening, stabilizing, and as a suspending agent. It has a lower viscosity range than 940 Carbomer at 0.2% aqueous gel neutralized.

Specification

Items	Specification
Appearance	Fluffy, White powder
Viscosity (20r/min,25℃), mpa.s	13,000-30,000(0.2% aq solution) 40,000-60,000(0.5% aq solution)
Solution Clarity (420nm), %	≥85(0.2% aq solution) ≥85(0.5% aq solution)
Heavy metals, mg/kg	As ≤2 Pb+As+Hg+Sb ≤10
Packing density, g/100ml	21 ~ 27
Loss on drying, %	≤2.0
Residual Acrylic acid, %	≤0.25
Residual Ethyl Acetate/Cyclohexane, %	≤0.45

Application

Carbopol 980 is a cross-linked polyacrylate polymer used in personal care gels and creams as a high-efficient rheology modifier. It is capable of providing high viscosity, excellent thickening and suspending performance with low-dosage. Its short flow (non-drip) properties are ideal for applications such as clear gels, hydroalcoholic gels, creams. When neutralized by alkali it forms sparkling clear water or hydroalcoholic gels and creams.

Features and Benefits

Short flow properties ; High viscosity; High suspending, thickening and stabilizing ability; High clarity

Recommended Applications

Hair styling gels; Hydroalcoholic gels; Moisturizing gels; Bath gels; Hand, body and face lotions; Creams

Package

20kg/box in 20'ft container, 4mt with pallets, 5.5mt without pallets;

Safety on transportation

It belongs to common goods, always refer to MSDS.

Storage and handling

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

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.

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