



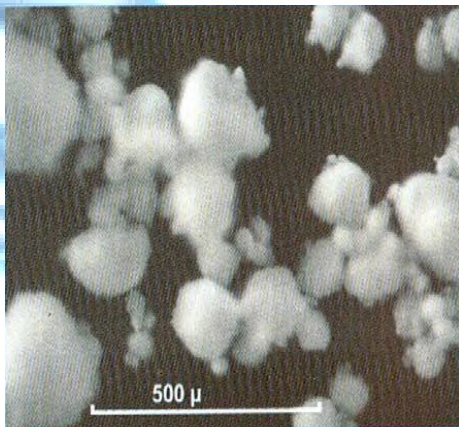
# Integrity Ingredients Corporation

## Integrity C940

INCI Name: Carbomer

### Product Description:

**Integrity C940** is an acrylic-based polymer in powder form typically used to formulate transparent gels.



Appearance	White free flowing powder
Odor	Slightly acetic
Moisture Content	2% max
Heavy Metals	10 ppm Max
Viscosity (0.5% solution)	40,000 – 60,000 cps (Brookfield RVT spindle #6, 20 rpm)
pH (0.5% solution)	3 ± 0.5
Residual Solvent	< 0.1%
Clarity % Transmission	Minimum 85%
Shelf Life	24 months

### Properties:

#### Rheological profile

**Integrity C940** is a thickening agent for aqueous solutions. These solutions are pseudoplastic and non thixotropic. The gel structure is easily broken-down by shear and comes back to it's initial value.

#### Effects of temperature

Solutions of **Integrity C940** do not show significant changes in viscosity and stability at high temperature.

#### Suspending and stabilizing agent

**Integrity C940** has a high yield value so it is an effective agent for emulsion stabilization and stable suspension of solid particles.

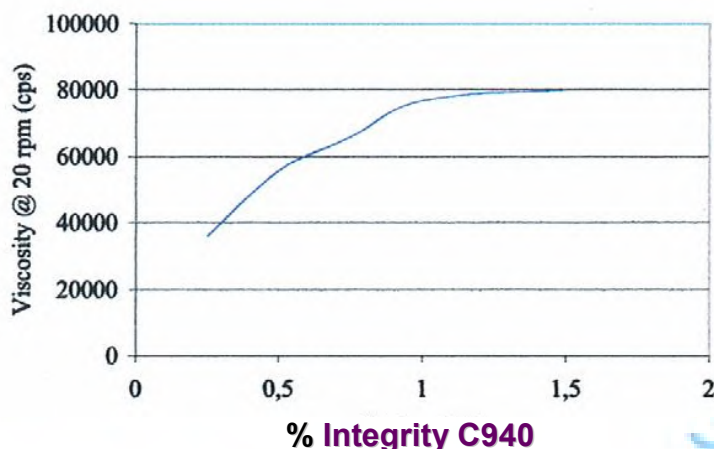
#### Uses and Applications

It is used for hair care and skin care products for gels, lotions and cream formulations.

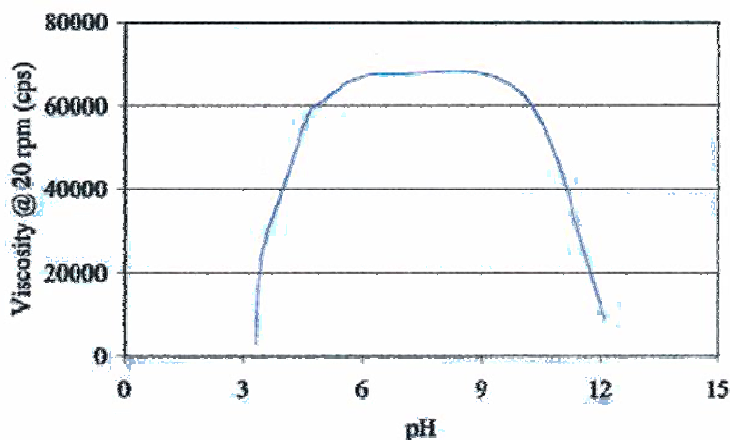


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## Effect of Concentration



## Effect of pH on viscosity (0.5% Integrity C940)



## Instructions:

**Integrity C940** dispersions in water should be made by slow addition of the polymer with moderate agitation.

The most suitable neutralizing agents are monovalent inorganic bases such as NaOH or KOH, ammonium hydroxide or water soluble amines.

## Toxicological Data :

Eye irritation potential (10% solution): non irritant  
Skin irritation potential (5% solution): non irritant

## Storage:

**Integrity C940** should be stored in a dry place at a temperature between 0° C and 35° C in original packaging.

## Packaging:

20 kg plastic lined cardboard box

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