

**Carbogel® (Carbomer)**

Key features

**#1**

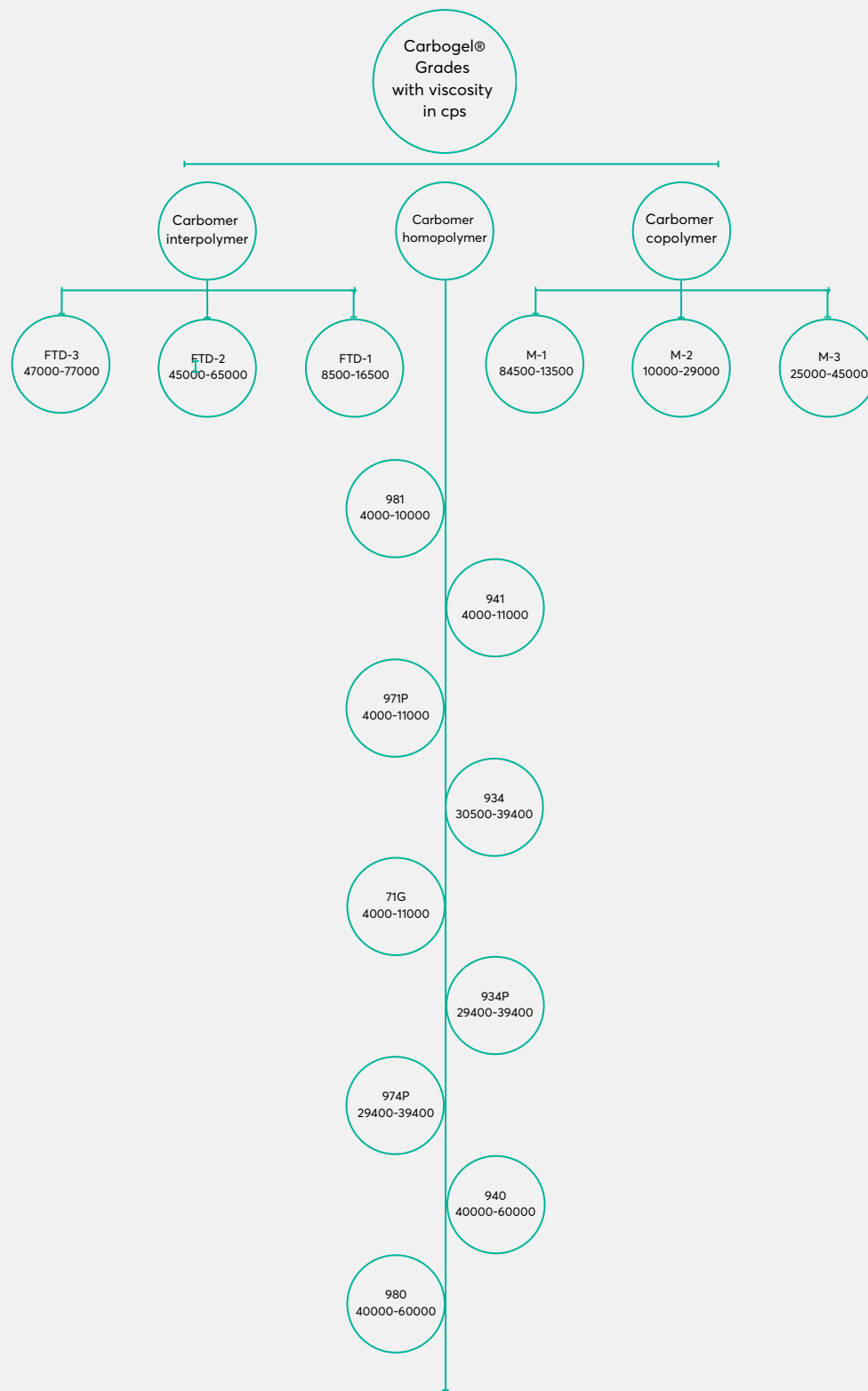
Polymers of acrylic acid cross-linked with alkenyl ethers of poly alcohols

**#2**

High molecular weight macromolecules

**#3**

High affinity towards water, alcohol, glycols and other solvents capable of hydrogen bonding



# Carbogel®

## Various grade applications

### **Carbogel® 940/980**

Sparkling clear transparent gel with water or hydroalcoholic medium

#### **APPLICATIONS:**

- ✓ Wide use in cosmetic and external pharmaceutical preparations

#### **ADVANTAGES:**

- ✓ Most efficient thickener among all grades
- ✓ Excellent sparkling and crystal clear transparency at high viscosity

### **Carbogel® 934**

#### **APPLICATIONS:**

- ✓ Thick formulations (gel)
- ✓ Topical emulsions (skin, hair and moisture creams)

#### **ADVANTAGES:**

- ✓ Permanent stability at high viscosity
- ✓ Short flow properties in aqueous systems, such as cosmetics and spray

### **Carbogel® 941/971P**

#### **APPLICATIONS:**

- ✓ Permanent emulsions and suspensions at lower viscosity
- ✓ Excellent transparent gel among other grades for ionic system
- ✓ Emulsion stabilizer in cosmetic products

#### **ADVANTAGES:**

- ✓ Most effective hydrogen bonding thickening among all grades

# Carbogel®

## Various grade applications

### Carbogel® 934P/974P/71G

#### APPLICATIONS:

- ✓ High purity grade for oral pharmaceutical dosage (gel, lotion, oral liquid, suspension and emulsion, ophthalmic gel/ointment)
- ✓ Trans-dermal drug delivery preparations
- ✓ Taste masking for certain APIs
- ✓ Tablet binder
- ✓ Sustain release formulations

### Carbogel® M grades

#### APPLICATIONS:

- ✓ Hydro alcoholic gels
- ✓ Clear, thick ionic gels, such as aloe gel

### Carbogel® FTD grades

#### APPLICATIONS:

- ✓ Most suitable grades for surfactant and ions-containing formulations

#### ADVANTAGES

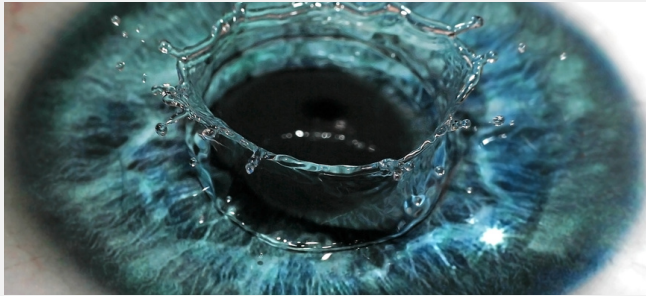
- ✓ Easy to disperse and salt tolerant (compared to other Carbogel® grades)
- ✓ Less tacky feel than standard Carbogel® grades
- ✓ Excellent clarity and viscosity in hydro alcoholic gels

# Carbogel®

Various grade applications

## Bio-adhesives

980 | 971 | 974P | 934P | M-1 | M-2 | 971P | 981



## Suspensions

974P | 934P | 971P



## Lotions

934 | 934P | 974P | 971P | 981 | 941 | M-1 | M-2 | M-3



## Creams

940 | 980 | 974P | 934 | 934P | M-1 | M-2 | M-3



## Solid dosage

971G | 971P | 974P | 934P



## Gel

940 | 980 | 934 | 971P | 934P | 974P | 990 | 941 | 996 | M-1 | M-2 | M-3



## VIO Chemicals AG

Dufourstrasse 107, CH-8008, Zurich, Switzerland  
info@viochem.com | www.viochemicals.com

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