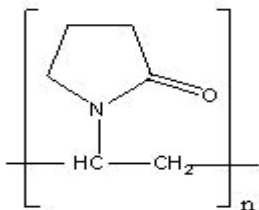


## Technical Data Sheet

### CROSPVIDONE

#### Product Information

Chemical Name	Crosslinked polyvinylpyrrolidone, Polyvinylpolypyrrolidone
CAS #	25249-54-1; 9003-39-8
Formula	(C <sub>6</sub> H <sub>9</sub> NO) <sub>n</sub>
Synonym	Crospovidone
Chemical Structure	



#### Description

Crospovidone behaves as a white or creamy white powder with faint characteristic odor, which is easily hydrophilic and capable of complex with such substance as phenol, etc. It is completely insoluble with relatively high crosslink density and does not form gels that can impede disintegration, dissolution and drug release.

#### Specification

Product	Crospovidone XL EP	Crospovidone XL-10 EP
Appearance	White or yellowish-white powder or flakes	
Identification	Meet Requirements with EP (A,B,C,D)	
Solubility	Practically insoluble in water, in alcohol and in methylene chloride	
pH Value(1% in water)	5.0 - 8.0	5.0 - 8.0
Water soluble substances	≤ 1.0%	≤ 1.0%
Loss on drying	≤ 5.0%	≤ 5.0%
Sulphated Ash	≤ 0.1%	≤ 0.1%
Nitrogen content	11.0%-12.8%	11.0%-12.8%
Impurity A	≤ 10 ppm	≤ 10 ppm
Peroxide (As H <sub>2</sub> O <sub>2</sub> )	≤ 400 ppm	≤ 1000 ppm
Heavy metals	≤ 10 ppm	≤ 10 ppm
Particle size(um)	70-110	20-40



**Safety** Always refer to the Material Safety Data Sheet (MSDS) for detailed information on safety

## Applications

### Pharmaceuticals:

Provide rapid disintegration in a wide range of oral solid dosage formulations and processes. Especially in the following areas:

- In wet granulation tablet processes.
- Ideally suited for use with poorly compressible drug actives and in direct compression tablet processes.
- Outstanding performance in manufacturing ionic, acidic and alkaline drug actives
- Quick dissolve and chewable tablets
- Treat gastrointestinal disorders and as an anti-diarrhea agent.

PVP-P can also be used to improve solubility, and hence, enhance bioavailability in not only human but also veterinary applications

### Beer and beverage:

PVP-P can be used in

- Improving the quality and extends the shelf-life of beer by absorbing the polyphenyls and tannoids.
- Prevention of 'pinking' and 'browning' reactions in white and sparkling wines
- Enhanced aroma and flavor in red wines

PVP-P is a cost-effective and safe treatment in beer industry that

- Completely insoluble in beer
- Applicable to all types of beer
- Higher efficacy - lower dosage
- Easy to use and excellent handling characteristics
- Insoluble process aids, with wide regulatory approval
- No negative impact on foam, flavor or other quality parameters
- Improved dispersion and sedimentation characteristics
- Longer filter run lengths compared to silica alone
- Uses existing plant equipment

## Packaging

20kg fiber drum.

## Storage & Handling

Crospovidone can be stored at room temperature (max.25℃) in the unopened original containers for at least 3 years. The storage temperature should be kept below 25℃

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.*