

CP 710

Vinyl Chloride and Vinyl Acetate Copolymer

Product Description

CP-710 is a high molecular weight copolymer comprised of approximately 95% vinyl chloride and 5% of vinyl acetate. It is supplied as a powder.

Applications

Typical application for CP-710 :

- Adhesives
- Printing Inks
- Industrial Coatings
- Over Lacquers

Properties

Properties	Unit	Value	Test methods
Molecular weight (Mw)	-	68,000	GPC
Degree of polymerization	-	700±50	JIS K-6720-2
K-value	-	58	-
VAM content	wt%	10.0±1	Hanwha -method
Bulk Density	g/cm ³	0.54±0.07	JIS K-6720-2
Volatile content	%	Max.4.0	JIS K-6720-2
Glass transition temperature (Tg)	°C	76	DSC
Particle size distribution	%	100	42mesh pass
Viscosity (MEK/Tol=1/1) • Resin 10% • Resin 20%	cPs	50 11,000	Brookfield Viscometer

Processing

CP-710 can be easily handled while having good properties for the heat stability, rubber resistance, chemical and water resistance. CP-710 can be resolved into Organic Solvent in excellent conditions. CP-710 is well matched to the Ketone type of solvent in good solubility speed with the diluents of Aromatic Hydrocarbons, a chain of Toluene. CP-710 is recommended to use under below 20% solid contents level due to the high viscosity led by relatively higher Molecular Weight and low Vinyl Acetate contents.

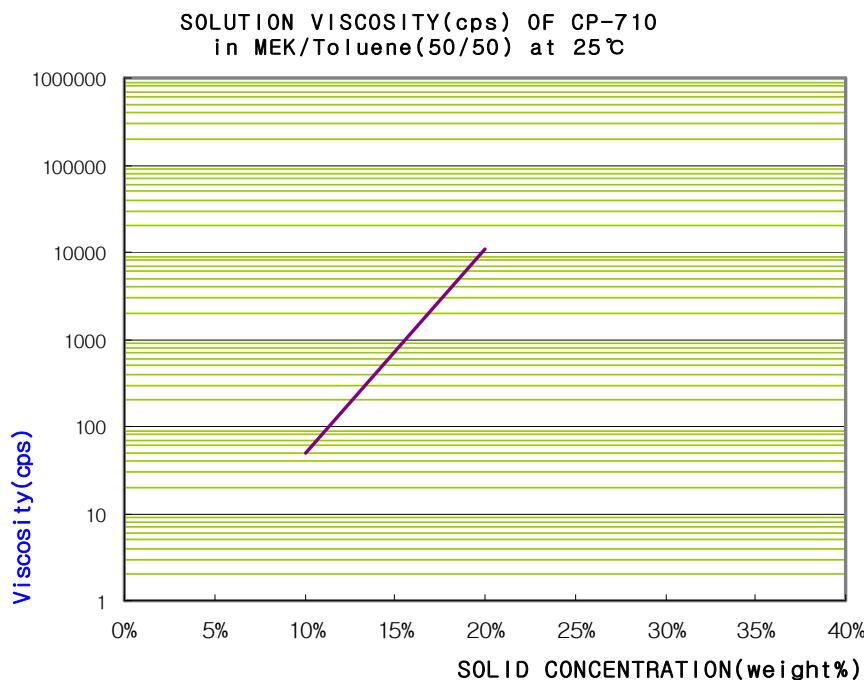
CP-710 shows the excellent resolution properties in general type of plasticizer, a kind of Phthalates, Adipates and etc.

CP-710 has excellent compatibility with the bunch of polymers like as Acrylic, Ketone and Epoxy resins as well as Vinyl resin and is recommended to use blending purpose.

Formulation for Adhesives

Material	phr
CP-710	15
MEK(Methyl ethyl ketone)	20
Toluene	20
Acetone	40
Others	1~5

Solution Viscosity



Storage

Store CP-710 under dry conditions and at room temperature below 25 °C. Under these conditions, the product has a shelf life of at least one year, from the delivery date. If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but the user should perform a quality control on the properties relevant to the application. The properties determined in our prerelease quality control may change during storage, depending on storage conditions, and deviate from the specification.

Safety and Handling

The Hanwha Chemical Corporation provides its customers with a product specific Material Safety Data Sheet (MSDS) to cover potential health effects, safe handling, use and transportation. Hanwha Chemical Corporation strongly encourage its customers to review MSDS on its products and other materials prior to their use. CP-710 is normally supplied as a power in 25kg polypropylene inner coated paper bag or 500kg Flecon Bag. CP-710 is not formulated to contain any hazardous or regulated materials such as lead, cadmium, mercury, and chromium compounds. And Hanwha Chemical corporation guarantee that CP-710 do not include any hazardous or regulated materials during the manufacturing process.

Properties

Further information and recommendations for processing can be obtained from our technical support staff and representatives. The data and recommendations contained in this brochure represent the current state of our knowledge and serve as a guide only to our products and their potential applications. Therefore, no warranty of specific properties of the products mentioned herein nor of their suitability or fitness for a particular purpose is implied. The information given in this brochure should be checked by preliminary trials because of conditions during processing over which we have no control.