

TP-300A

Vinyl Chloride, Hydroxyalkyl Acrylate, Other Terpolymer

Product Description

TP-300A is a low molecular weight terpolymer comprised of vinyl chloride, hydroxyalkyl acrylate and other monomer. It is supplied as a white powder.

Applications

Typical application for TP-300A :

- Wood finishes, inks and adhesives for gravure printing
- Marine and maintenance coatings

Properties

Properties	Unit	Results	Test Method
Degree of polymerization	-	400±50	JIS K-6720-2
K-value	-	50	DIN 53726
Hydroxyalkyl Acrylate Content	wt%	6±1	Hanwha-method
Other Monomer Content	wt%	10±1	Hanwha-method
Bulk Density	g/cm ³	0.61±0.07	ASTM D1895
Volatile content	%	Max. 2.0	ASTM D3030
Glass transition Temperature(Tg)	°C	60	DSC
Particle size distribution	%	100	35mesh pass
Viscosity at 25 °C •Resin 20%, EA/Tol solvent	cPs	160	Brookfield Viscometer

Processing

TP-300A is the solution vinyl resin which is distinguished for the solubility with various kinds of organic solvent. It has good resistance for abrasion, water and chemical variation. This resin has good adhesion to vinyl, cellulosic and treated polyester and PE substrates.

Ketone type such as cyclohexanone, MEK and MIBK is suitable for its solvent, and some aromatic hydrocarbon type like toluene and xylene can be used for the diluent.

TP-300A can be crosslinkable with amino resins and polyisocyanates and be used by blending with acrylic, ketone and epoxy resin as well as other vinyl resin since it suits with them very much. It is especially compatible with EVA resin.

Storage

Store TP-300A under dry conditions and at room temperature below 25 °C.

Safety and Handling

The Hanwha Solutions Corporation provides its customers with a product specific Material Safety Data Sheet (MSDS) to cover potential health effects, safe handling, use and transportation. Hanwha Solutions Corporation strongly encourages its customers to review the MSDS on its products and other materials prior to their use.

TP-300A is not formulated to contain any hazardous or regulated materials such as lead, cadmium, mercury, and chromium compounds. And Hanwha Solutions corporation guarantee that TP-300A 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

The information given herein and other otherwise supplied to users is based on our general experience and where applicable, on the results of tests on samples of typical manufacture. However, because of the many factors which are outside knowledge and control, which can affect the use of these products, users must rely on their own judgment and we cannot accept liability for any injury, loss or damage resulting from reliance upon such information.

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.

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