Technical Datasheet (DA-342)

Because of proper self-crosslinking, it provides the nonwovens and tissues high wet strength to resist the tearing force within water during washing.

Besides, the emulsion is considered as a safe binder possessing some characteristics such a low odor, low formaldehyde, and phenol-free stabilizing system. It might be widely used among such application (e.g. hospital and medical applications, interlinings, household furnishings, and highloft webs.) It offers a balanced tensile strength and greater flexibility.

The emulsion is suitable for applicative technique such as saturation, foam, spraying.

SAFETY & STORAGE

In general, DA-342 is considered safe for its intended use. However, as this class of products always contains minor amount of residual vinyl acetate monomers, adequate ventilation is recommended in rooms where DA-342 is handled. Generally when working with polymer emulsions, protective clothes, gloves and also goggles should be used. Splashes on the skin or in the eyes should immediately be removed by irrigation with clean water.

DA-342 should be stored in sheltered areas at temperatures between 5 and 40 °C; do never store under freezing conditions. Soft lumps or skins may tend to be formed during transportation and storage, therefore filtration is recommended before use. If the product is not transferred completely at one time, the user shall take adequate precautionary measures to prevent the possible formation of lumps or skins on the product. Opened containers should be closed soon to prevent skinning. If the product is stored for a longer period, stirring is recommended before use. Shelf life of DA-342 is minimum 6 months, provided the product is stored in original, unopened containers under proper conditions. Stirring is required before utilizing the product if it has been stored for a longer period.

DA-342 is adequately preserved to prevent microbial contamination. However, if the product is kept in original containers which have been opened, or is transferred to other tanks, the product should be added with suitable preservative package to protect it against microbial attack. Equipment and facilities used to transfer the product should also be kept adequately clean. Finished products manufactured from polymer emulsions usually also require preservation.

INTRODUCTION

DA-342 is a self-crosslinking emulsion synthesized from vinyl acetate and ethylene with self-crosslinking functionality.

The better crosslinking property has been obtained at the temperature above 150 °C without additional crosslinker.

The proper crosslinking within the polymers provides better resistance against washing and drycleaning.

It is also a low odor, low formaldehyde, and is stabilized by alkylphenol ethoxylates-free (APEO-free) system. Besides, it is a safe product for proper use, and is friendly for our environment.

And it is a high-efficiency binder. Low add-on levels provide high Wet/Dry tensile strength. Due to moderate film after drying, the emulsion provides moderate handfeel for nonwovens.

The emulsion can be mixed with other water-based polymer emulsion, suitable defoamer, and neutral thickening agent (e.g. polyvinyl alcohol). It, however, is noticed the compatibility must be checked dependent on real operation.

RECOMMENDED APPLICATIONS

DA-342 is a binder designed for nonwovens and tissue acquiring moderate handfeel and strong bonding.
SAFETY NOTICE

Material Safety Data Sheets are available on request from sales offices or may be printed via website www.dcc.com.

PACKAGING

Iron drum 220Kg/ PE IBC 1.1 MT/ Flexible bag/ road tanker

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