

Technical Bulletin

ElasTechs 2740

DESCRIPTION

ElasTechs 2740 is a formulated water dispersible polyester resin in granular form. It is a versatile product suitable for use as a staple yarn sizing binder and as a sizing agent for polyester filament yarn.

As a sizing binder for polyester and cotton blended yarns, the product may be combined with starch, starch derivatives, other synthetic polymers and lubricants. For the sizing of polyester filament yarns, the product is used alone.

BENEFITS

ElasTechs 2740 provides the following benefits:

- Easy to disperse in water
- Exhibits excellent adhesion to polyester
- Reduces yarn hairiness
- Reduces add-on
- Improves weaving performance
- Compatible with most size additives

TYPICAL PROPERTIES

Color	Beige
Appearance	Granules
Odor	Mild
pH	About 7.0
Solubility	Complete

PREPARATION

As a sizing binder - the product should be added to cold starting water with good agitation and cooked as normal for starch containing or polyvinyl alcohol containing recipes.

As a polyester filament sizing agent - the product must be first dispersed in water at concentration of 10 – 25% with good agitation and cooked at temperature range of 90 – 95° C until completely dispersed. Once dispersed, the liquor should be cooled down to application temperature.

APPLICATION

As a staple yarn sizing binder - the product is normally dosed at 5 – 25% on the weight of starch or starch derivative – depending upon the degree of difficulty of the weave.

For texturized polyester filament yarn - the size is applied on the slasher at temperature of 35 – 40° C. Solids concentration is dependent upon the denier and degree of weave difficulty. The typically applied solids range from 8 – 12% with an add on range of 3.5 – 5.5%.

REMOVAL

When used as a staple yarn sizing binder, the product can be successfully removed with the normal desize procedure for starch or polyvinyl alcohol containing recipes. The product is somewhat sensitive to highly concentrated caustic baths – consequently these should be avoided. Mild alkali such as soda ash presents no problem for removal.

For sized polyester filament yarns, the product should be removed with hot water and good counter flow. The addition of 1g/l soda ash and 0.5 g/l nonionic detergent will improve and speed the removal.

STORAGE

ElasTechs 2740 should be stored in a cool, dry and well-ventilated area.

PACKAGING

ElasTechs 2740 is available in 25 kgs bags.

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