

Technical Bulletin

ElasTechs 2700

DESCRIPTION

ElasTechs 2700 is a water dispersible polyester resin that is produced as fine pellets. It is an excellent binder and sizing agent for polyester filament warps, especially those in fine denier range.

ElasTechs 2700 is mainly used for sizing of polyester filament warps that are woven on air-jet or water jet looms as well as other types of shuttle-less looms.

BENEFITS

ElasTechs 2700 provides the following benefits:

- Easy to disperse in water
- Biodegradeable
- Good adhesion to polyester
- Quick and simple desizing
- Compatible with size additives

TYPICAL PROPERTIES

Color	Light Amber
Appearance	Cylindrical Pellets
Odor	Mild
pH	About 7.0
Solubility	Complete

PREPARATION

ElasTechs 2700 must be first dispersed in water at concentration of 10 – 25%. It is easily dispersed with good agitation and temperature of 90 – 95° C. Water hardness of 20-40 ppm produces the best results. Excessive water softness may produce foam. The dispersion is stable if allowed to cool down to 35° C.

APPLICATION

ElasTechs 2700 is typically applied on the basis of yarn characteristics i.e. flat or texturized and loom speed. The size is ready to be stored or applied on slasher at temperature of 35 – 40° C. It is a low viscosity solution at that temperature therefore penetrates yarn bundle well.

Drying temperature, speed, residual humidity, stretch and all other sizing parameters are same as normal sizing conditions depending upon the yarn and equipment being used.

Desizing Procedure

Fabrics made of warps sized with **ElasTechs 2700** should be washed in hot water with low hardness and good counter flow. Addition of 1g/l Soda Ash and 0.5 g/l nonionic detergent will improve the removal.

STORAGE

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

PACKAGING

ElasTechs 2700 is available in 25 kgs bags.

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