

## Technical Information

### ElasTechs 413

#### Description

**ElasTechs 413** is an intermediate hydrolysis polyvinyl alcohol warp sizing agent. The product may be used alone or in combination with other water soluble polymer, natural and or synthetic. It is recommended for sizing a wide range of staple yarns.

#### Benefits

**ElasTechs 413** has the following beneficial characteristics.

- Cooks quickly and uniformly
- Reduces shed on the slasher
- Reduces yarn hairiness
- Reduces warp and weft stops
- Reduces shed on the loom
- Removes readily in normal conditions

#### Typical Properties

Color	Off-White
Texture	Fine Granules
Moisture Content	About 3%
PH of Solution	About 6
Viscosity, 4% @20°C	About 13 CPS

#### Preparation

**ElasTechs 413** should be slowly added to the starting water with good agitation. Avoid creation of lumps. The product should be mixed and cooked according to the normal starch cooking procedure.

#### Application

**ElasTechs 413** is recommended for the sizing of cotton, rayon, polyester and blended staple yarns.

#### Dosage

**ElasTechs 413** may be applied alone at 6 to 10% or may be applied with starch at 8 to 14%.

The following are typical recipes.

<b>ElasTechs 413</b>	75 kgs
ElasTechs 2125	04 kgs
Finish Volume	1000 liters
<b>ElasTechs 413</b>	25 kgs
Starch	75 kgs
ElasTechs 2125	05 kgs
Finish Volume	1000 liters

#### Desizing

**ElasTechs 413** should be desized with hot water and detergent. Avoid extremely high concentration of caustic. Heat setting presents no obstacle to desizing.

#### Handling

Please refer to the Material Safety Data Sheet for details.

#### Storage

**ElasTechs 413** should be stored in a cool, dry and well-ventilated area. Avoid storing the product in conditions of high humidity.

#### Packaging

**ElasTechs 413** is available in 25 kg bags and loaded on ISPM compliant pallets.

Date Established: 06/04/2010  
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