ElasTechs 425

Description

**ElasTechs 425** 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 425** 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 23 CPS

Preparation

**ElasTechs 425** 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 425** is recommended for the sizing of cotton, rayon, polyester and blended staple yarns.

Dosage

**ElasTechs 425** may be applied alone at 6 to 10% or may be applied with starch at 8 to 14%.

The following are typical recipes.

<table>
<thead>
<tr>
<th>Product</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>ElasTechs 425</td>
<td>75 kgs</td>
</tr>
<tr>
<td>ElasTechs 2125</td>
<td>04 kgs</td>
</tr>
<tr>
<td>Finish Volume</td>
<td>1000 liters</td>
</tr>
<tr>
<td>ElasTechs 425</td>
<td>25 kgs</td>
</tr>
<tr>
<td>Starch</td>
<td>75 kgs</td>
</tr>
<tr>
<td>ElasTechs 2125</td>
<td>05 kgs</td>
</tr>
<tr>
<td>Finish Volume</td>
<td>1000 liters</td>
</tr>
</tbody>
</table>

Desizing

**ElasTechs 425** 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 425** should be stored in a cool, dry and well-ventilated area. Avoid storing the product in conditions of high humidity.

Packaging

**ElasTechs 425** is available in 25 kg bags and loaded on ISPM compliant pallets.

Date Established: 06/04/2010
Date Revised: 06/28/2011