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TECHNICAL DATA SHEET

**Silstab® 2993**

### **DESCRIPTION**

**Silstab®2993** is a non-hydrolyzable block copolymer of dimethylsiloxane and a polyoxyalkylene, to be used in the manufacture of polyisocyanurate (PIR) boardstock foams blown with hydrocarbons.

### **TYPICAL PROPERTIES**

|                           |              |
|---------------------------|--------------|
| Appearance, 25°C          | Clear liquid |
| Colour, Gardner           | 1            |
| Viscosity at 25°C, cps    | 2000         |
| Specific Gravity at 25°C  | 1.06         |
| Hydroxyl Number, mg KOH/g | 35           |
| Flash Point, °C (PMCC)    | >100°C       |
| Freezing Point, °C        | <0°C         |

### **USES & APPLICATIONS**

**Silstab 2993** imparts improved emulsification and nucleation producing a finer cell structure and lower k-factor.

**Silstab 2993** is recommended for use with polyethylene terephthalate (PET), phthalic anhydride (PA) and dimethyl terephthalate (DMT) based aromatic polyester polyol systems for making board stock and bunstock.

During machine trials **Silstab 2993** shows:

1. Improved flow
2. Smooth top surface, minimal scalloping
3. Increased "green" compressive strength.
4. Wide processing latitude, able to produce board thickness from <0.5 inch to 4 inches

The recommended concentration used is between 1.0 - 3.0% weight percent on the B-side.

### **SAFETY**

Before handling, read the Material Safety Data Sheet and container label for safe use, physical and health hazard information.

### **STORAGE AND SHELF LIFE**

When stored between 10 and 40°C in the original unopened container, **Silstab 2993** has a shelf life of 36 months from the date of manufacture.

### **PACKAGING**

**Silstab 2993** is supplied in 200kg drums and 1,000kg totes.

### **LEGAL DISCLAIMER**

Siltech Corporation believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Siltech Corporation, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficacy and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.

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