



## PROVISIONAL TECHNICAL DATA SCHEET

### INTRODUCTION

Estolan is two-component system that can be used for the production of a range of polyether based polyurethane elastomers from 60 Shore A to 90 Shore A hardness.

The cured elastomers have excellent mechanical properties. Owing to abrasion and hydrolysis resistance the elastomers are not sensitive to weather condition. The elastomers are also resistance for grease and fuels. Elastomers can be use in temperature to -40°C and below. This system is designed for processing through two component polyurethane mixing handle or machinery.

**ESTOLAN**  
**031 350 00**

**60A – 90A**  
Two Component  
Elastomer System

### COMPONENT PROPERTIES

#### **Estolan 031 350 00A Polyol**

Appearance	White Semi-wax at 25 °C
Viscosity	400-600cps at 50 °C
Specific Gravity	1,01-1,05 at 40 °C

#### **Estolan 031 350 00B Iso**

Appearance	White Semi-wax at 25 °C
Viscosity	500-800cps at 50 °C
Specific Gravity	1,10-1,20 at 40 °C

## PROCESSING

### **Recommended processing Temperatures:**

Estolan 031 350 00A Polyol	45-70 °C
Estolan 031 350 00B Iso	45-70 °C

### **Mixing ratio A/B =from 100/50 to 100/120**

The mixed components should be cast into pre-released moulds heated to temperature of approximately 100-110°C

<b>Gel time:</b>	Typically 5 minutes at 50°C mixing temp
<b>Demould time:</b>	Typically 30 minutes at 110°C mould temp

A post cure of 16 hours at 100°C is recommended to ensure full mechanical properties are achieved.

## STORAGE AND HANDLING

### **Polyol Components**

Store in tightly sealed containers at temperature of 10-30 °C. Raise to processing temperature and mix well before use. Avoid contact with moisture.  
Shelf life- 6 months

### **Isocyanate Component**

Store in tightly sealed containers at temperature of 10-30 °C. Avoid contact with moisture.  
Shelf life- 6 months

## MATERIAL SAFETY INFORMATION

Before using this product consult Stolan-Elastomer Safety Data Sheets

## PACKAGING

Estolan 031 350 00 A Polyol is available in 25, 50 and 200 kilo packs  
Estolan 031 350 00 B Iso is available in 25, 50 and 200 kilo packs