

# Elastocast<sup>®</sup>

## Hotcast Polyurethane Elastomers

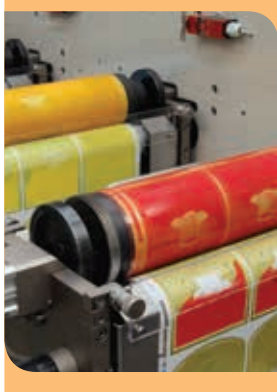
### MDI Polyester Prepolymers

**Benefits:**

- Chemical Resistance
- Abrasion Resistance
- Tear Resistance

**Applications:**

- Die Cut Blankets
- Caster Wheels
- Sheet Goods
- High Property Elastomers



**ELASTOCAST TT11**

Modified MDI pre-polymer for high performance elastomers. Applications include products such as solid polyurethane tires for forklift trucks, caster wheels, and rollers. Standard NCO range is 6.5% to 6.75%. Higher NCO's are also available.

**ELASTOCAST TT22**

Polyester pre-polymer for high performance elastomers. Applications include products such as solid polyurethane tires for forklift trucks, wheels, sheet goods, die-cut blankets and gaskets.

**ELASTOCAST TT25**

Polyester pre-polymer formulated for low temperature applications like snow plow blade runners and salt spinners.

**ELASTOCAST TT32**

Prepolymer for high property elastomers, coatings and adhesive, NCO range of 6.5 to 7.9%. Higher NCOs are also available.

### MDI Polyether Prepolymers

**Benefits:**

- High Rebound Products

**Applications:**

- High Resilience Formulations
- Solid Elastomers
- Adhesives
- Microcellular Integral Skin



**ELASTOCAST TIE**

Modified MDI terminated polyether prepolymer system for use in high resilience applications. Shore hardness available from 75A - 95A with standard NCO range of 4.9 to 8.6%.

**ELASTOCAST TIP**

Modified MDI terminated polyether prepolymer used in elastomers, microcellular, integral skin, and semi-flexible polyurethane applications.

**ELASTOCAST TIPM**

Modified MDI terminated polypropylene glycol (PPG) based polyether prepolymer for use in a variety of polyurethane product applications including one or two component binder systems and two component sealants and cast elastomers. NCO range 8 to 11%.

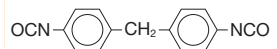
### Quazi-Prepolymers

**Benefits:**

- High NCOs High Reactivity

**Applications:**

- ISO Side of Variable Durometer Systems
- Variable Hardness Systems



**ELASTOCAST TQZ**

Modified PMDI for use in polyurethane systems. Typical applications may include elastomers, semi-rigid polyurethane foams, flexible foams, coatings and adhesives. This versatile prepolymer may be paired with a variety of extenders as well as additives and colorants to achieve the final product result.

**ELASTOCAST TQZ-E**

Modified MDI terminated polytetramethylene ether glycol (PTMEG) based polyether prepolymer for use in elastomers as well as microcellular integral skin and semi flexible polyurethane foam applications. This versatile prepolymer may be paired with a variety of extenders as well as additives and colorants to achieve the final product result. NCO's range from 12 to 23%.

**ELASTOCAST TQZ-P**

Modified MDI terminated propylene glycol (PPG) based prepolymer used in formulations for cast elastomers, spray elastomers, binders, sealants, and two-component adhesives and coatings. This prepolymer may be paired with a variety of extenders as well as additives and colorants to customize the urethane system for the final product application. NCO's in the range of 15 - 27%.

## TDI Polyester Prepolymers

### Benefits:

- Abrasion Resistance
- Chemical Resistance

### Applications:

- Printing Rolls
- Industrial Rollers
- Forklift Tires
- Pallet Wheels
- High Property Elastomers
- Adhesives
- Coatings



### ELASTOCAST TC S

TDI terminated polyester for high property elastomers, elastomeric coatings and adhesives applications. 70A - 90A Shore hardness.

### ELASTOCAST TD S

TDI terminated polyester prepolymer for use in high property, low hardness elastomer applications. Very good abrasion resistance and low compression set are trademarks of this prepolymer series. 70A - 90A Shore hardness.

## TDI Polyether Prepolymers

### Benefits:

- Membranes
- Sealants

### Applications:

- Forklift Tires
- Pallet Wheels
- High Property Elastomers
- Adhesives
- Coatings



### ELASTOCAST TC E

TDI terminated PTMEG prepolymer for use in high property elastomers, elastomeric coatings and adhesives applications. Products are available in Shore A 90 and 95, as well as 60D.

### ELASTOCAST TD E

TDI terminated PTMEG prepolymer for use in high property elastomers, elastomeric coatings and adhesives applications with a need for good tear strength, good abrasion resistance and excellent flex life. Products are available with 92A to 95A and 70D to 75D Shore hardness.

### ELASTOCAST TC P

TDI terminated polypropylene glycol (PPG) based polyether prepolymer specifically formulated for use in high quality coatings applications. Products range from 85A to 95A and are also available in 75D Shore hardness.

### ELASTOCAST LFT

Low free TDI modified TDI terminated polytetramethylene ether glycol (PTMEG) based ether prepolymer.

## Polycaprolactone Prepolymers

### Benefits:

- Coatings
- Adhesives

### Applications:

- High Quality Printing Machine Rollers
- High Property Elastomers



### ELASTOCAST TIC

MDI Polycaprolactone gives the ultimate blend of polyester and polyether properties.

## Aliphatic Prepolymers

### Applications:

- Light Stable Parts
- Adhesives
- Cast Elastomers
- Coatings
- Sealants
- Soft Elastomers
- Energy Absorbing Foams
- High Hardness



### ELASTOCAST TII

Polyether or polyester based IPDI prepolymers. Products available with NCO's ranging from 3.0 to 13% and viscosities between 400 and 6500 c.p.'s.

### ELASTOCAST TWE

Modified HMDI prepolymers. Grades available with NCO's ranging from 17.8 to 27% and viscosities between 400 and 1500 c.p.'s.

### ELASTOCAST TWP

Aliphatic light stable 26% NCO isocyanate pre-polymer for clear light stable elastomer systems.

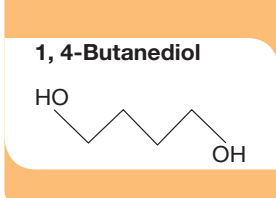
## Curatives

### Benefits:

- Promotes Hardness with Prepolymer

### Applications:

- Variable Durometer Systems



### ELASTOCAST "C" CURATIVES

Variety of curatives for all applications. Collection of glycols, amines, polyols and other additives for specific applications.

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**BASF Corporation**  
1609 Biddle Avenue  
Wyandotte, MI 48192

URL:  
[plastics-rubber.basf.com](http://plastics-rubber.basf.com)