

### Polyether Grades

Product	Hardness	Featured Property
1100 Series	80A - 74D	FDA, NSF, Transparent
1200 Series	54D - 74D	UV Stable, Transparent
1175AW	75A	FR (UL Listed)
1185AW	83A	FR (UL Listed)
1185AF001	90A	FR (UL Listed)
1185AFHF	89A	FR (UL Listed)
1154FHF	58D	FR (UL Listed)

### Polyester Grades

Product	Hardness	Featured Property
B Series	80A - 60D	Fast Cycle Time
S Series	80A - 60D	Good Oil/Fuel Resistance
C Series	60A - 59D	High Performance

### Customized Grades

Product	Hardness	Featured Property
E35AP12	37A	Soft Touch
E45AP12	46A	Soft Touch
SP9324	60A	Soft, Non-plasticized
SP9339	70A	Soft, Non-plasticized
LP9277	68A	Aliphatic, Non-plasticized
LP9273	84A	Aliphatic, Non-plasticized
C60AHPM	60A	High Svc Temp, Non-plasticized
C65AHPM	65A	High Svc Temp, Non-plasticized
C70AHPM	70A	High Svc Temp, Non-plasticized
C75AHPM	75A	High Svc Temp, Non-plasticized
C85AHPM	85A	High Svc Temp, Short Cycle Time, Lower Compression Set
C90AHPM	91A	High Svc Temp, Short Cycle Time, Lower Compression Set
C95AHPM	96A	High Svc Temp, Short Cycle Time, Lower Compression Set
R2000	67D	Polyester - 20% Glass
WY1140	85A	Polyether - USP Class VI

## Elastollan We Are TPU

### BASF Corporation- Elastollan TPU

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## Elastollan® TPU for Demanding Injection Molding Applications



# Thermoplastic Polyurethanes

The robust characteristics of Elastollan® Thermoplastic Polyurethanes (TPU) make it the superior choice for use in many injection molding applications.

Elastollan TPUs bring durability, toughness, chemical resistance, flexibility, and processing ease that makes it the ideal material for a broad range of industrial uses. Elastollan materials provide excellent abrasion resistance, hydrolysis resistance, good weatherability, excellent cut & tear properties and flexibility from -40°C to 125°C.

The application possibilities for Elastollan® TPU are virtually unlimited. Injection molding applications range from the tiny, millimeter sized, high precision transmission cogs of a power drill to six feet long car body side panels.

Elastollan TPU's are available in a wide variety of standard polyester, polyether and specialty grades. BASF and Elastollan offer customers the technical expertise to develop new and innovative specialty products to meet the changing demands of the industry.

## Elastollan — We Are TPU

Elastollan, the thermoplastic polyurethane elastomer made by BASF Corporation provides an innovative material with outstanding potential for your application.

Through customized formulations, Elastollan TPU's can meet complex specifications for even the most demanding applications. Originally produced in Lemförde, Germany — Elastollan TPU's have been providing customized solutions for over 30 years, and have adapted to evolving market needs. Now manufactured at several locations throughout the globe, Elastollan has established itself as a multi-talented, successful material in virtually every branch of industry.

At BASF, we are always looking for new challenges. Do you have special demands or requirements for your product or application? If so, call us at 800-892-3111. Our technical experts are ready to help you turn your ideas into reality in the most creative and economical way.

When the success of your application is critical to your business, choose the most reliable TPU in the industry—Elastollan from BASF.

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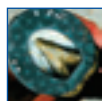
## Animal ID Tags

Elastollan qualities that benefit animal ID tags include weather resistance, color stability, resistance to farm/animal chemicals, microbial resistance, fast molding cycles, and printability, thermal stampability and laser markability. **Suggested products:** Elastollan S Series (short-term tags), Elastollan C Series (mid-term tags), Elastollan 1100 Series (long-term tags).



## Cotton Harvester

The exceptional abrasion resistance, resistance to weathering, color stability and resistance to farm chemicals make Elastollan a superb choice for cotton harvester “fingers.” **Suggested products:** Elastollan C Series, Elastollan 1100 Series.



## Horseshoes

Elastollan offers impressive impact resistance, abrasion resistance, resistance to weathering, color stability and resistance to animal chemicals when used in horseshoes. **Suggested products:** Elastollan S Series, Elastollan 1100 Series.



## Armrests

Key Elastollan attributes of soft-touch feel, good adhesion, hydrolytic resistance, microbial resistance, resistance to weathering and color stability help manufacturers in the production of armrests. **Suggested products:** Elastollan 1100 Series, Elastollan 800 Series, Elastollan 600 Series, Elastollan S Series, Elastollan Customized Series.



## Traffic Control Devices

Elastollan's hydrolytic resistance, impact resistance, resistance to weathering and color stability make it an excellent choice for traffic control devices. **Suggested product:** Elastollan 1100 Series.



## Goggles

Keep high quality in sight by using Elastollan to make goggles for the military, leveraging the TPU's abrasion/cut/tear resistance, low-temperature flexibility, ability to make a good seal, color retention and fast cycle times. **Suggested products:** Elastollan S Series, Elastollan B Series.



## Over-Molded Laptop Housings

Featuring soft-touch feel, good adhesion to substrates, transparency, hydrolytic resistance, microbial resistance, resistance to weathering and color stability, Elastollan is a proven success in making over-molded laptop housings. **Suggested products:** Elastollan 1100 Series, Elastollan 800 Series, Elastollan 600 Series.



## Mobile Phone Casings

With traits like soft-touch feel, strong adhesion to substrates, transparency, hydrolytic resistance, microbial resistance, resistance to weathering and color stability, Elastollan is an excellent choice for mobile phone casings. **Suggested products:** Elastollan 1100 Series, Elastollan 800 Series, Elastollan 600 Series.



## Golf Balls

Elastollan drives the manufacture of high-quality golf balls by supplying abrasion/cut/tear/impact resistance, high rebound, good adhesion, a fast molding cycle, hydrolytic stability and low-temperature flexibility. **Suggested products:** Elastollan 1100 Series, Elastollan Specialty Products.



## Golf Disks

Offering qualities like abrasion/cut/tear/impact resistance, a fast molding cycle, hydrolytic stability and low-temperature flexibility, Elastollan excels in the manufacture of golf disks. **Suggested products:** Elastollan S Series, Elastollan B Series, Elastollan 1100 Series.



## Golf Soft Spikes

Elastollan used in the production of golf soft spikes affords abrasion/cut/tear resistance, creep resistance, rigidity/softness and adhesion. **Suggested product:** Elastollan S Series.



## Ski & Skate Boots

For high-quality ski and skate boots, Elastollan can impart abrasion/cut/tear resistance, impact resistance, a fast molding cycle, hydrolytic stability, oil resistance and low-temperature flexibility. **Suggested products:** Elastollan S Series, Elastollan B Series, Elastollan 1100 Series.