Elastollan®

Polyether-based Elastollan TPU Grades		
Product	**Hardness**	**Featured Property**
1100 series	70A - 74D	Available in UV stabilized and flame retardant grades. Some grades meet FDA compliance, USP Class VI, and NSF 61 standards.
1200 series	54D - 64D	Excellent transparency. Some grades are available with UV stabilization. Some grades are FDA and NSF compliant.

Polyester-based Elastollan TPU Grades		
Product	**Hardness**	**Featured Property**
600 series	85A - 95A	General purpose, excellent transparency
800 series	80A - 90A	Excellent transparency
S series	60A - 98A	General purpose
C series	60A - 98A	High performance

Low COF Elastollan TPU Grades		
Product	**Hardness**	**Featured Property**
WY1149	95A	Ether, low coefficient of friction enhanced abrasion resistance
WY1163	90A	Ether, low coefficient of friction enhanced abrasion resistance

HPM Elastollan TPU Grades		
Product	**Hardness**	**Featured Property**
C series HPM	60A - 95A	Polyester-based, high performance, exhibiting low and high temperature performance

Elastollan TPU Alloy Grades		
Product	**Hardness**	**Featured Property**
WY1157	54D	Ether, high burst pressure, low and high temperature performance
WY1158	95A	Ether, high burst pressure, low and high temperature performance

Polyurethane Solutions

Elastollan
We Are TPU

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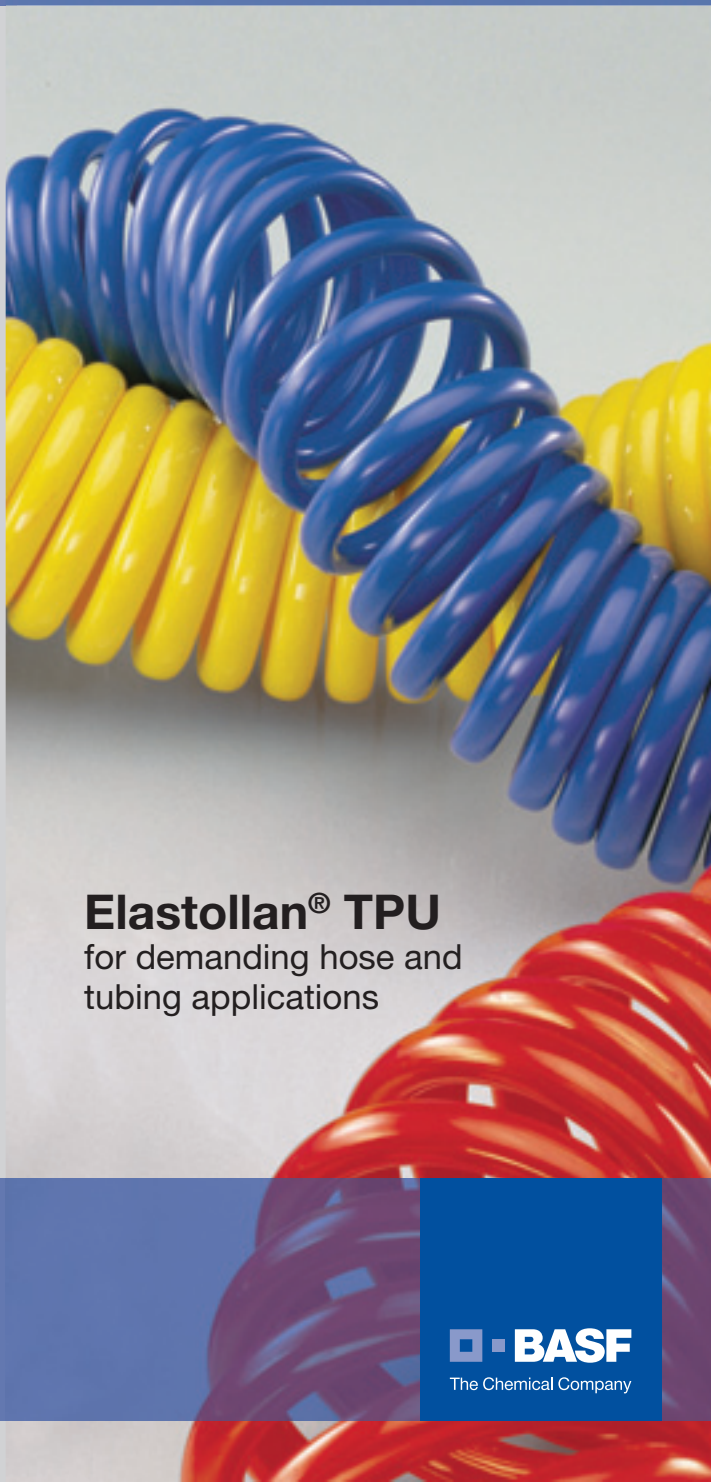
BASF
The Chemical Company

Polyurethane Solutions



Elastollan® TPU
for demanding hose and tubing applications

BASF
The Chemical Company

Thermoplastic Polyurethanes

The robust characteristics of Elastollan make it the superior choice for use in hose and tube applications. Elastollan provides puncture and abrasion resistance, along with an impressively high burst-pressure rating, yet it also ensures a high degree of flexibility for kink resistance and ease of coiling.

BASF also has the chemical expertise to enhance additional key Elastollan properties:

Polyether-based grades of Elastollan offer improved microbial resistance, enhanced resistance to weak acids/bases and moisture/humidity, and low service temperatures.

Polyester-based grades of Elastollan supply improved resistance to oils/solvents and weather (UV), along with high service temperatures.

Grades of Elastollan can be formulated with flame-retarding characteristics as well as the ability to meet FDA and other certifications.

We have recently introduced two new series of Elastollan materials—one offers low coefficient of friction properties with enhanced abrasion resistance and the other offers high burst pressures at temperatures up to 250°F.

Elastollan
We Are TPU

Elastollan, the thermoplastic polyurethane elastomer made by BASF Corporation provides a material with outstanding potential for innovation.

Through customized Elastollan formulations, we are able to meet complex specifications for the most demanding applications.

Elastollan's career as a problem-solver began over 30 years ago in Lemforde, Germany and has consistently developed and adapted to the requirements of the market. Now manufactured at several locations throughout the globe, Elastollan has established itself successfully as a multi-talented material in virtually every branch of industry.

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

Catheters (FDA & NAMSA)

Microbial resistance, high burst pressure, hydrolytic stability, transparency and compliancy with FDA, USP Class VI and NSF 61 all combine to make Elastollan an excellent product for manufacturing catheters. **Suggested product:** Elastollan 1100 Series.

Cured-in-place Pipe (CIPP)

Cured-in-place pipe (CIPP) applications demand superior Elastollan properties such as high burst pressure, long-term flexibility, NSF certification, hydrolytic stability, and chemical resistance. **Suggested product:** Elastollan 1100 Series (for potable water), Elastollan 800 Series.

Conveyer Hoses

Exceptional tear/cut/abrasion resistance, high puncture resistance, long-term flexibility and low-temperature flexibility are among the qualities Elastollan brings to the manufacture of conveyor hoses. And BASF's polyester-grade Elastollan is particularly suitable for fuel conveyor hoses. **Suggested product:** Elastollan 1100 Series, Elastollan 600 Series, Elastollan S Series.

Fire Hoses

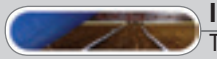
When used to manufacture fire hoses, Elastollan offers a high burst pressure and excellent hydrolytic stability, along with certification from NSF. **Suggested product:** Elastollan 1100 Series.

Fuel Hoses

Offering fuel/oil resistance, low-temperature flexibility, abrasion/cut/tear resistance, puncture resistance, hydrolytic stability, creep resistance and high-temperature resistance, Elastollan can fuel the production of high-quality fuel hoses. **Suggested product:** Elastollan 1100 Series, Elastollan C Series.

Hydraulic Hoses

When used to manufacture hydraulic hoses, Elastollan is notable for its ability to impart fuel/oil resistance, low-temperature flexibility, abrasion/cut/tear resistance, puncture resistance, hydrolytic stability, creep resistance and high-temperature resistance. **Suggested product:** Elastollan 1100 Series, Elastollan C Series.



Irrigation Hoses

Traits such as impact and abrasion resistance, high burst pressure, resistance to weathering, color stability and resistance to farm chemicals allow Elastollan to be successfully utilized in irrigation hoses. **Suggested product:** Elastollan 1100 Series.

Medical Tubes

Makers of quality medical tubing can depend on Elastollan for high burst pressure, hydrolytic stability, transparency, clarity and both FDA and USP Class VI certification. **Suggested product:** Elastollan 1100 Series.

Organic Waste Pipes

Notable impact and abrasion resistance, high burst pressure and resistance to waste chemicals are just some of the Elastollan qualities relied on in making organic waste pipes. **Suggested product:** Elastollan 1100 Series.

Pneumatic Hoses & Brake Tubes

Top-rated pneumatic hoses and brake tubes can be easily produced using Elastollan, which adds abrasion/tear/cut/puncture resistance, high burst pressure, high elasticity and coil retention, long-term flexibility, oil/fuel resistance, low-temperature flexibility and hydrolytic stability. **Suggested product:** Elastollan 1100 Series, Elastollan C Series.

Spiral Hoses

Elastollan TPU is the perfect choice for spiral hose manufacturers, providing great long-term and low-temperature flexibility, superior abrasion/cut/tear resistance and excellent hydrolytic stability. **Suggested product:** Elastollan 1100 Series, Elastollan C Series.

Water Hoses (NSF)

When used in the health and safety industry, water hoses benefit from Elastollan traits like high burst pressure and hydrolytic stability, as well as NSF 61 certification. **Suggested product:** Elastollan 1100 Series.