

Standard Polyether Grades		
Product	Hardness	Featured Property
1180A	80A	Low Temperature Flexibility, Fungus Resistant
1185A*	85A	Low Temperature Flexibility, Fungus Resistant
1190A	90A	Low Temperature Flexibility, Fungus Resistant
1195A	95A	Low Temperature Flexibility, Fungus Resistant
1154D	54D	Low Temperature Impact, Fungus Resistant

* UV stabilized grades available

Flame Retardant Grades		
Product	Hardness	Compliance/Featured Property
1185AF001*	90A	Halogenated FR
1185AFHF*	89A	Non-halogenated FR, V-0
1154DFHF*	58D	Non-halogenated FR, V-0
LP9218	88A	Non-halogenated FR
LP9276	94A	Non-halogenated FR

* UL Rated Material

Customized Grades		
Product	Hardness	Featured Property
1175AW*	75A	Non-halogenated FR, V-0
1185AW*	85A	Non-halogenated FR, V-2
1185AWM	85A	Matte Finish
C85AHPM	85A	High Temperature Resistance
WY1149	95A	Hi Abrasion Resistance, Low CofF

* UL Rated Material

Polyester Grades		
Product	Hardness	Featured Property
S Series	80A - 60D	Good Oil/Fuel Resistance
C Series	60A - 59D	High Performance, Heat Stability

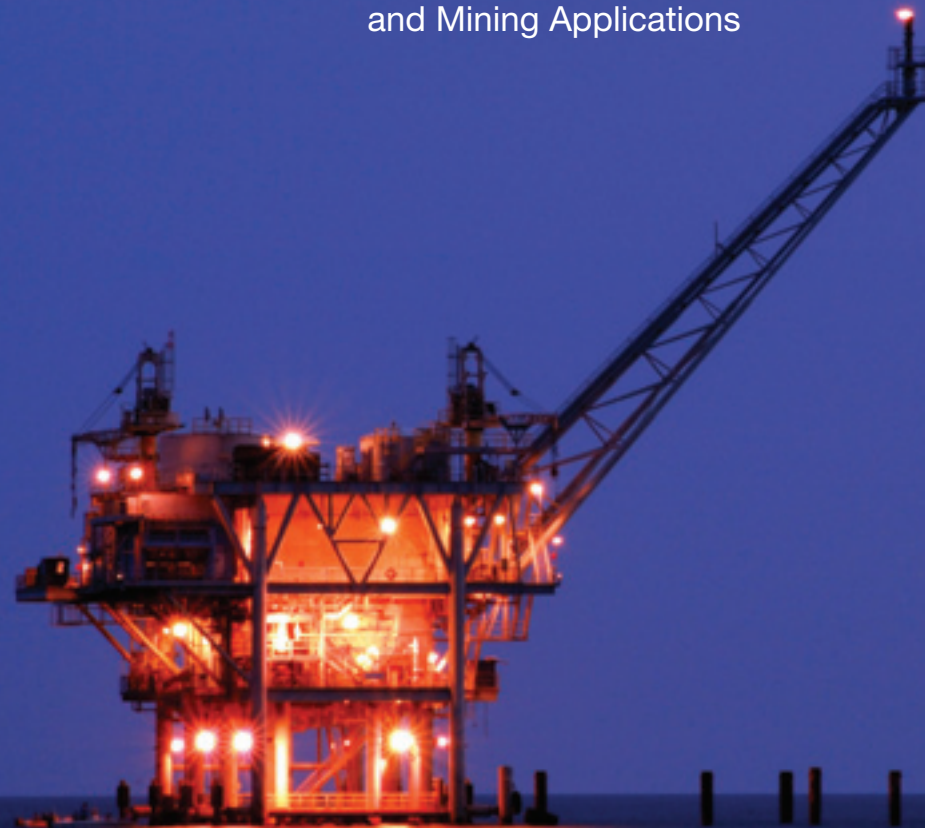
Elastollan We Are TPU

BASF Corporation- Elastollan TPU

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Elastollan® TPU

for Demanding Geophysical
and Mining Applications



Thermoplastic Polyurethanes

The robust characteristics of Elastollan® Thermoplastic Polyurethanes (TPU) make it the superior choice for use in mining and geophysical applications. When the most stringent criteria for the protection of valuable and sensitive marine and land cables must be met, choose Elastollan TPU.

Elastollan materials provide excellent abrasion resistance, hydrolysis resistance, good weatherability, excellent cut & tear properties and flexibility from -40°C to 125°C.

BASF and Elastollan also offer customers the technical expertise to enhance additional key properties such as halogen-free flame retardancy with LOI's up to 33%, increased temperature resistance up to 150°C (for 3000 hrs), crosslinking capabilities, matte finish and low co-efficient of friction surfaces.

Elastollan polyether-based grades offer excellent fungus, microbial & hydrolysis resistance and impressively high burst-pressure ratings. Our polyester-based grades supply improved resistance to oils and greases as well as ozone & high-energy radiation.

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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Oil Exploration Cables

Companies searching for the right material for oil exploration cables can rely on Elastollan for high puncture resistance, long-term flexibility, low-temperature flexibility, microbial resistance, hydrolytic stability, resistance to weathering and color stability. **Suggested product:** Elastollan 1100 Series.



Geophysical Streamers

Durable Elastollan is vital to high-quality manufacture of geophysical streamers, supplying transparency, low-temperature flexibility, hydrolytic stability, ultrasound transparency and microbial resistance. **Suggested product:** Elastollan 1100 Series.



Geomembranes

Boasting excellent hydrolytic stability, Elastollan also adds high puncture resistance, long-term flexibility, and low-temperature flexibility to the production of geomembranes. **Suggested product:** Elastollan 1100 Series.



Land Seismic Cables

Elastollan can shake things up by being used to manufacture land seismic cables that stand out in terms high puncture resistance, long-term and low-temperature flexibility, microbial resistance, hydrolytic stability, resistance to weathering and color stability. **Suggested product:** Elastollan 1100 Series.



Mining Cables (MSHA, UL)

When made from Elastollan, mining cables can be certified by both MSHA and UL. In addition, they benefit from flex-fatigue resistance, long-term and low-temperature flexibility, and hydrolytic stability. **Suggested products:** Elastollan 1100 Series, Customized Products (FR-TPU Compounds).



Mining Screens

Impact resistance, a fast molding cycle, chemical/oil resistance, hydrolytic stability and low-temperature flexibility all make Elastollan the right sort of choice for mining screens. **Suggested products:** Elastollan S Series, Elastollan C Series, Elastollan 1100 Series.



Flame Retardant Mining Cables

In addition to its flame-retarding characteristics, Elastollan also imparts flex-fatigue resistance, long-term flexibility and low-temperature flexibility to flame retardant mining cables. **Suggested products:** Elastollan 1100 Series, Customized Products (FR-TPU Compounds).