



▲ Hose, Tube and Profile

▲ Overview

Lubrizon is among the leading TPU suppliers in the extrusion segment. Lubrizon introduced the first TPU compound in 1960. Our unique manufacturing process and wide product portfolio provides many unique advantages including:

- Excellent quality/product consistency
- Wide processing window
- High clarity & transparency
- Customized grades by form of stabilization and by viscosity

▲ Major Benefits of Estane® TPU


Estane® TPU is used in a wide variety of hose, tube and profile applications. Major benefits of Estane® TPU in these applications include:

- Long term flexibility
- Abrasion/cut/tear resistance
- Kink resistance
- Puncture resistance
- High burst pressure resistance

Estane® polyester-based TPUs exhibit excellent oil, fuel, and solvent resistance, high temperature performance as well as good UV and hydrolytic stability.

Estane® polyether-based TPUs exhibit excellent low temperature properties, hydrolysis resistance, and fungus resistance.

ESTANE
THERMOPLASTIC POLYURETHANES



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▲ Applications

Multilayer or single layer spiral hoses, braided hoses, or TPU tubing are used in:

- Air powered tools
- Robotics
- Dental equipment
- Automated equipment
- Pneumatic hoists
- Garden hoses
- Packaging equipment
- Conveyance of:
 - Chemical liquids
 - Abrasive substances
 - Food & beverages

▲ Top Estane® TPU Hose, Tube & Profile Product Selections*

Estane® No.	Type	Hardness	Tensile (psi)	Feature
58881	Ether	80A	3,400	Low Temp Flex
58300	Ether	82A	4,500	Low Temp Flex
58315	Ether	85A	7,000	Cut Resistance
58215	Ether	90A	6,700	Heat Resistance
58212	Ether	95A	8,000	Clarity
58219	Ether	92A	9,000	Clarity
58289	Ester	91A	8,500	Wide Processing Window
ETE55DT3	Ether	55D	8,400	Easy to Extrude
ETE60DT3	Ether	60D	7,800	Easy to Extrude
58810	Ether	90A	5,600	High Temp Resistance
58070	Ester	72A	6,500	Low Temp Snap-back

* See your Lubrizol representative for more product selections available for hose and tube applications.



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