

Injectorplex Kryptonite Capillary Tubing: YOUR Source of STRENGTH

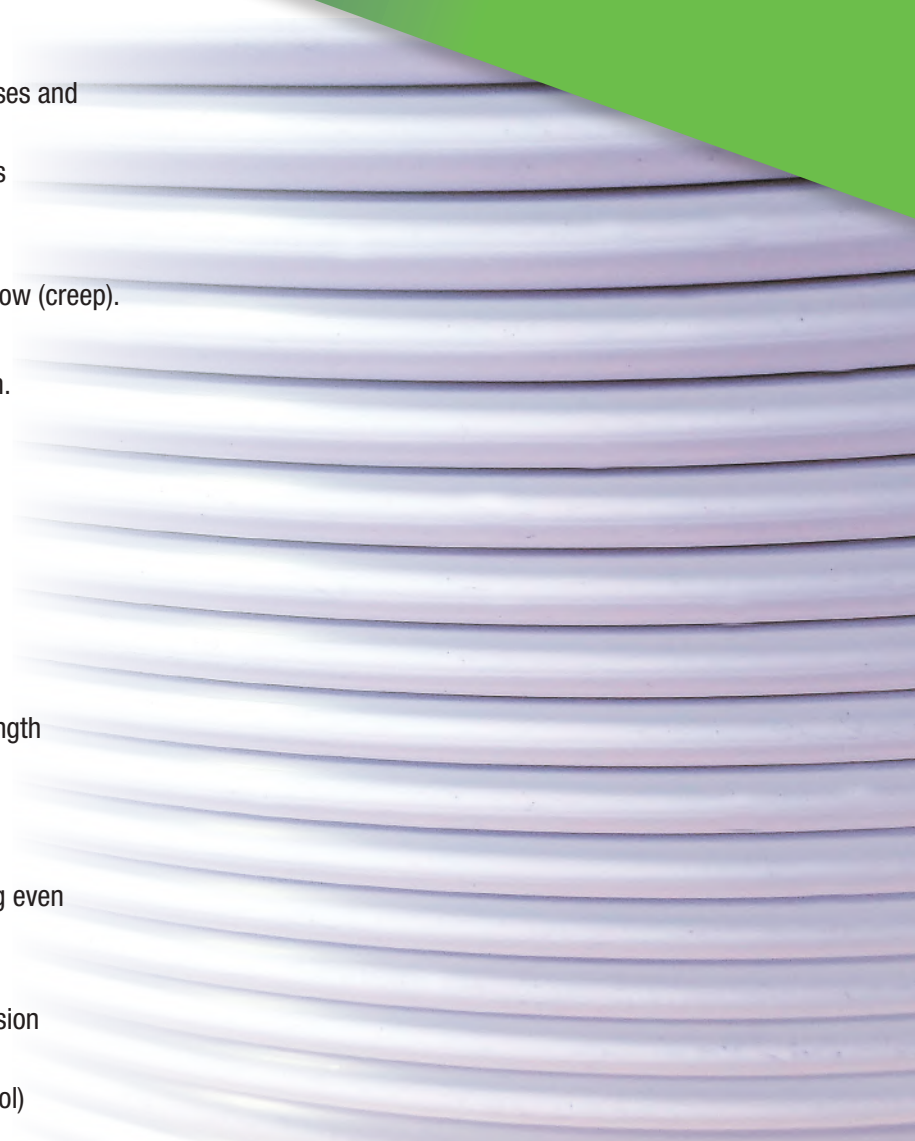
Injectorplex Kryptonite (PPS) is a versatile material that has the ability to meet exceptionally demanding criteria. This semicrystalline engineering thermoplastic has out-standing thermal stability, superior toughness, inherent flame resistance, and excellent chemical resistance. It also has high mechanical strength, impact resistance, and dimensional stability as well as good electrical properties.

Kryptonite is a linear, semi-crystalline, impact modified product. It is relatively impermeable to gases, hydrocarbons and other liquids compared to other materials. Provides high dimensional stability, low coefficient of friction, low shrinkage, excellent mechanical properties, creep resistance at high temperatures, high continuous use temperature of 300°F and very low moisture absorption. Offers high tensile elongation, high hardness, rigidity and excellent resistance to corrosion, hydrolysis, oxidation, heat and paraffin buildup. Shows excellent chemical resistance to all solvents below 340°F, acids, bases, typical and alternative automotive fuels and petroleum fluids at elevated temperatures. It is suitable for metal replacement applications. Complies with RoHS, PFOS and PFOA regulations.

Our tubing will not kink and at 45 pounds per thousand feet, it is a fraction of the weight of stainless strings. *The best is that you will never need to worry about a future fishing job!* Our tubing can be milled and will not “ball up” like stainless.

Kryptonite (PPS)

- High temperature of continuous use (300°F).
- Excellent chemical resistance to solvents, acids, bases and oil fluids on high temperatures.
- Excellent resistance to permeability to hydrocarbons and other fluids.
- Resistance to or accumulation of paraffin.
- Excellent mechanical properties and resistance to flow (creep).
- High hardness and rigidity.
- Excellent resistance to hydrolysis / water absorption.
- Dimensional Stability.
- Resistance to all types of fuels, solvents, acids, bases at high temperatures.
- Excellent resistance to permeation of fluids.
- Excellent corrosion resistance.
- Resistant to H2S and CO2.
- High resistance to paraffin buildup.
- Excellent dimensional stability and mechanical strength and impact at high temperatures.
- Inherently flame retardant (UL 94 V-0 at 0.4mm).
- Significantly lower specific density than metal.
- Chemical resistance with minimal attack or swelling even under high temperatures.
- Resist: acids / bases pH 2 to 12
- 3Resists: automotive fluids - refrigeration, transmission and brake
- Resist: alternative gases and fuels (methanol, ethanol)
- Resists: Hydrolysis



Injectorplex Kryptonite (PPS)

Specific Gravity	1.264 g/cc	ASTM D792
Density	0.0452 lb/in ³	ISO 1183
Water Absorption	.0300%	ASTM D570
Hardness, Rockwell M	41.0	ASTM D785
Tensile Strength at Break	7250 psi	ISO 527-2/1A
Coefficient of Friction, Dynamic	200	
Flexural Strength	11,500 psi	ASTM D790

