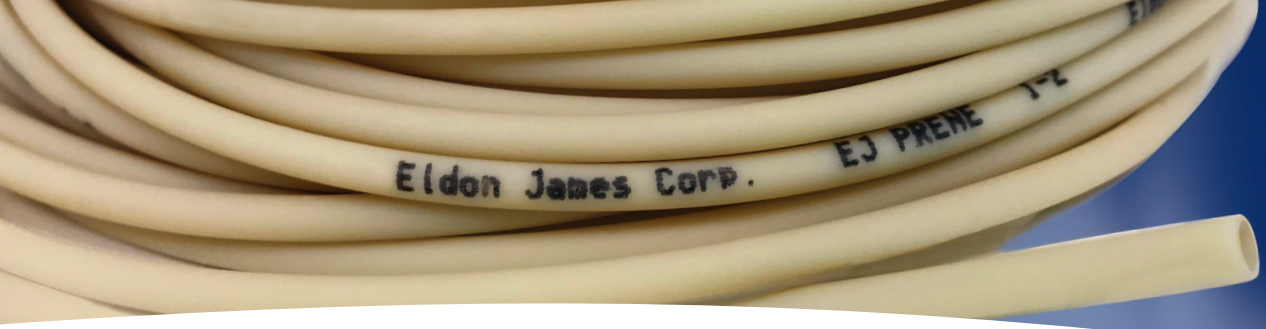


ELDON JAMES

EJ Prene for use in pharmaceutical, bioprocess, and peristaltic pump applications.

EJ Prene is designed for peristaltic pump applications offering durability with excellent pump life - reducing production downtime due to tube failure. Lightweight, EJ Prene tubing is flexible with very good chemical compatibility, and can be used in a wide range of applications. This high-performance elastomer exhibits similar properties as rubber and is the first choice as an alternative to Santoprene™.

Manufactured for ultra-pure fluid transfer and meets a diverse range of pharmaceutical, medical and biopocessing applications. EJ Prene meets the requirements meets the requirements of REACH, RoHS, USP 661, USP VI, ISO 9001 and 13485 and other special test requirements.

Typical Applications:

- Superior Performance in Peristaltic Pumps
- Optimum Performance & Pressure Capability
- Precise Flow Rate
- High Chemical Resistance
- Pharmaceutical and biotech processing

Chemical Resistance

Chemical Type	Chemical Comparability
Acids, Dilute/Weak	Excellent
Acids, Strong/Concentrated	Good
Bases, Dilute/Weak	Excellent
Bases, Strong/Concentrated	Excellent
Salts	Excellent
High-purity Water	Excellent
Alcohol - Test for Suitability	Fair
Oil/Water Emulsion	Good
Organic Solvent - Water Soluble	Good

Typical Material Physical Properties

Property	Value / Rating	ATSM Method
Durometer, (Hardness) Shore A	70	D2240
Color	Opaque, Natural	N/A
Specific Gravity - (Cured 1:1 A&B)	0.952	D792
Tensile Strength psi (Mpa) - Flow	(Break, 73 °F / 23 °C) 697 psi 4.81 MPa	D 412
Elongation - %	(Break, 73 °F / 23 °C) 290 %	D412
Temperature	Min: -50°C (-58°F)	—
	Max: 135°C (+275°F)	—

Testing completed on raw materials

Product Features:

- Opaque to visible and UV light
- Soft and flexible - 70 Shore A
- Compatible with most CIP solutions and SIP
- Material Certificate and Lot Traceability
- Low gas and oxygen permeability
- Ultra-low Extractables / Leachables
- Meets USP Class VI
- USP 661 Compliant
- REACH and RoHS Compliant
- ISO 10993-4 – non-hemolytic
- ISO 10993-5 – non-cytotoxic
- Non-animal derived – BSE/TSE compliant
- Contains no DEHP phthalates or plasticizers

Order Information

Cat. No.	Ref ID	Actual ID	Ref OD	Actual OD	Wall	Roll Length	Minimum Bend Radius	Max. working pressure* at 68°F (20°C) psi* (bar)
EJP.5-1.5	1/32"	0.031 ± 0.005	3/32"	0.093 ± 0.005	1/32"	50 ft.	0.13	51 psi (3.52 bar)
EJP.5-2	1/32"	0.031 ± 0.005	1/8"	0.125± 0.005	3/64"	50 ft.	—	—
EJP1-2	1 /16"	0.063 ± 0.005	1/8"	0.125 ± 0.005	1/32"	50 ft.	0.19	35 psi (2.41 bar)
EJP1.5-2.5	3/32"	0.094 ± 0.005	5/32"	0.156 ± 0.005	1/32"	50 ft.	0.31	26 psi (1.79 bar)
EJP2-3	1/8"	0.125 ± 0.005	3/16"	0.187 ± 0.005	1/32"	50 ft.	0.40	21 psi (1.45 bar)
EJP2-4	1/8"	0.1 25 ± 0.005	1/4"	0.250 ± 0.005	1/16"	50 ft.	0.20	35 psi (2.41bar)
EJP3-4	3/16"	0.187 ± 0.005	1/4"	0.250 ± 0.005	1/32"	50 ft.	0.88	14 psi (0.97 bar)
EJP3-5	3/16"	0.187 ± 0.005	5/16"	0.312 ± 0.005	1/16"	50 ft.	0.50	25 psi (1.72 bar)
EJP3-6	3/16"	0.187 ± 0.005	3/8"	0.375 ± 0.005	3/32"	50 ft.	0.80	33 psi (2.28 bar)
EJP4-6	1/4"	0.265 ± 0.005	3/8"	0.390 ± 0.005	1/16"	50 ft.	1.00	30 psi (2.07 bar)
EJP4-7	1/4"	0.265 ± 0.005	7/16"	0.448 ± 0.008	3/32"	50 ft.	0.90	26 psi (1.79 bar)
EJP4-8	1/4"	0.265 ± 0.005	1/2"	0.510 ± 0.008	1/8"	50 ft.	1.00	31 psi (2.14 bar)
EJP5-7	5/16"	0.323 ± 0.008	7/16"	0.448 ± 0.008	1/16"	50 ft.	1.80	18 psi (1.24 bar)
EJP6-8	3/8"	0.385 ± 0.008	1/2"	0.510 ± 0.008	1/16"	50 ft.	2.30	13 psi (0.90 bar)
EJP6-10	3/8"	0.385 ± 0.008	5/8"	0.635 ± 0.008	1/8"	50 ft.	1.50	24 psi (1.66 bar)
EJP8-12	1/2"	0.510 ± 0.008	3/4"	0.760 ± 0.010	1/8"	50 ft.	2.00	20 psi (1.38 bar)
EJP10-14	5/8"	0.635 ± 0.010	7/8"	0.885 ± 0.010	1/8"	50 ft.	3.00	15 psi (1.04 bar)
EJP12-16	3/4"	0.760 ± 0.010	1"	l.010 ± 0.010	1/8"	50 ft.	—	—
EJP12-20	3/4"	0.760 ± 0.010	1 1/4"	l. 260 ± 0.020	1/4"	50 ft.	—	—
EJP16-20	1"	l.010 ± 0.020	1 1/4"	l.260 ± 0.020	1/8"	50 ft.	6.00	10 psi (0.69 bar)

**Working pressure is determined using a 4:1 safety factor of the maximum burst pressure per ASTM D1599*

Sterilization

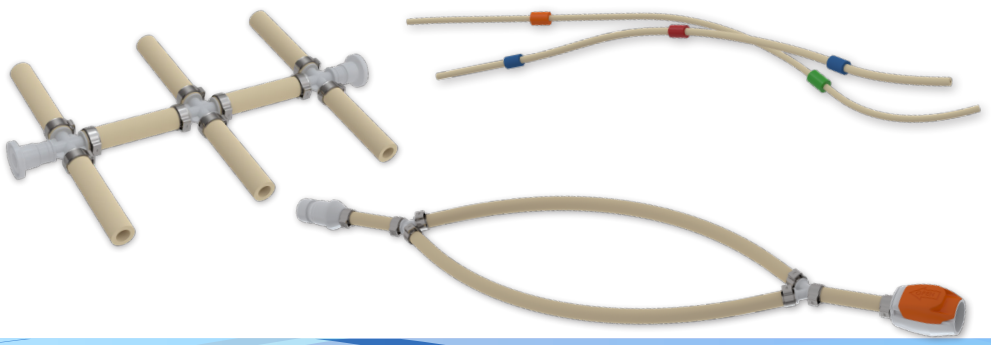
- E-beam/Gamma 25 to 45 kGy, no deficiencies, may color shift at higher doses.
- Ethylene Oxide (ETO), No issues. Can safely be used.
- Autoclave Up to 135°C - Multiple autoclave cycles Can be re-sterilized and reused

Certifications

- USP Class VI biocompatibility requirements
- USP 661 Compliant
- ISO 10993 (part 4 and 5)
- REACH Compliant
- RoHS Compliant
- Cleanroom Manufactured
- Fully Lot Traceable
- Non-animal derived – BSE/TSE compliant

Peristaltic Pump Accessories

- 2 and 3 Stop Tubing Assemblies
- Pump Manifold and Yoke Assemblies



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ELDON JAMES

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certified WBENC WOMEN'S BUSINESS ENTERPRISE

MADE IN USA