

Excelon® Polypropylene Tubing



APPLICATIONS:
COMPRESSED AIR
FOOD AND WATER PROCESSING
REFRIGERATION
ENVIRONMENTAL MONITORING
SEMI-CONDUCTOR
MANUFACTURING
AGRICULTURAL EQUIPMENT
VACUUM SYSTEMS
INSTRUMENTATION

Polypropylene Tubing

Excelon® Polypropylene Tubing is naturally translucent and is the most lightweight thermoplastic material in the marketplace. Similar to Polyethylene Tubing, the material will float; however, Polypropylene Tubing is more rigid than Polyethylene Tubing. Polypropylene Tubing is the preferred choice for transferring hot liquids or gases where high temperatures and pressures are required. It is used in many manufacturing and fluid transfer applications because it has excellent chemical resistance. Excelon® Polypropylene Tubing has excellent resistance to stress cracking as well, making it ideal for environmental applications.

The Polypropylene raw material meets FDA requirements. Thermoplastic Processes offers both homo-polymer and co-polymer Polypropylene in tubing and pipe sizes. Custom sizes can be run from .125" - 2" OD. Custom colors and lengths are available upon request.

PHYSICAL PROPERTIES

PROPERTIES	NOMINAL VALUE UNIT	TEST METHOD
MECHANICAL		
Tensile Strength ⁴ (Yield)	33.8 MPa	ASTM D638
Tensile Elongation ⁴ (Yield)	13%	ASTM D638
Flexural Modulus - 1% Secant ⁵	1380 MPa	ASTM D790A
IMPACT		
Izod Impact Strength, Notched @ 23°C (73°F)	69 J/m	ASTM D256A

Values listed are typical and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.



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September 2025

Samples available upon request.

Custom sizes, lengths, and colors available upon request.

Medical formulations available upon request.

REGULATORY COMPLIANCE: REACH, RoHS, FDA, and Prop 65 Compliant