

Tygon® Power LP-1610

Fuel Transfer Tubing for Outboard Marine Applications

Tygon® Power LP-1610 tubing is a next generation low permeation fuel tubing, serving as an upgrade from a previous Saint-Gobain product (Tygon LP-1600). Specifically formulated for marine outboard fuel delivery applications, Tygon® Power LP-1610 tubing is EPA and CARB certified. Featuring a highly fuel-resistant, ethanol-compatible inner layer, Tygon® Power LP-1610 tubing has a robust design that ensures safe fuel transfer from the tank to the engine.

Regulatory Compliance

Tygon® Power LP-1610 tubing is EPA and CARB certified to meet permeation emission standards of 15g/m²/day. This tubing also meets EPA B1-15 and CARB Outdoor Marine Tank (OMT) above-deck ratings for the marine industry, and American Boat and Yacht Council (ABYC) H-24 standards. Tygon® Power LP-1610 tubing conforms to SAE J1527 B1 standards.



Features and Benefits

- Meets EPA and CARB requirements
- Thermoplastic multi-layer technology designed to provide barrier construction
- Excellent resistance to hydrocarbon-based fuels
- Compatible with ethanol containing fuels or E10
- Wide temperature range from -20°F to 180°F (-28.9°C to 82°C)
- Ozone and UV light resistant to prevent premature aging
- Superior flexibility and kink resistance
- Custom sizes and colors available

Typical Applications

- Marine boats with above-deck outboard engines
- Personal watercraft - Jet Skis, Wave Runners
- Portable marine fuel delivery system

Typical Physical Properties

Property	ASTM Method	Value or Rating
Durometer Hardness, Shore A, 15s	D2240	71A
Tensile Strength, psi (MPa)	D412	2,600 (18)
Ultimate Elongation, %	D412	300%
Specific Gravity	D792	1.28
Water Absorption, % at 73°F (23°C) for 24 hrs.	D570	0.41%
Maximum Recommended Operating Temp., °F (°C)	—	180 (82)
Tensile Stress, at 100% Elongation, psi (MPa)	D412	1,000 (6.90)
Color	—	Gray

Unless otherwise noted, all tests were conducted at room temperature 73°F. Values shown were determined on 0.075" thick extruded strip, 0.075" thick molded ASTM plaques or molded ASTM durometer buttons.

TYGON® POWER LP-1610 TUBING IS NOT INTENDED FOR USE AS AN IMPLANT MATERIAL.

Product Characteristics

Opacity	Flammability Rating	Fuel Permeation (total tube), g/m ² /d
Opaque	UL 94 HB	CE 10, 23°C 2.7

Regulatory Compliance

40 CFR 1060 EPA Regulation	Conforms
EPA Certification Number	NSGNPLINE161-007
EPA Certification Size Limitations	5/16" ID and Above
ISO 8469	Meets B15 - E10 Compatible
ABYC H-24 (SAE J1527 Style R4)	Conforms
CARB	G-23-250



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NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application.

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