

Lay-Flat™ Tubing

Extruded FEP, PE, And PEEK Tubing

Overview-

Lay-Flat™ tubing can be extruded from multiple polymers including FEP, PE, PEEK, as well as others upon request. Lay-Flat™ tubing allows thin walled tubing to be shipped in long continuous lengths on spools without kinking and be processed in downstream manufacturing more easily. Lay-Flat™ tubing's compact form simplifies shipping and can be used in various applications that require an added layer of protection. For example the energy industry utilizes PEEK Lay-Flat™ tubing that is further cut and formed as slot liners and phase insulation for advanced motor insulation. The PEEK Lay-Flat™ tubing is rated at 260 °C. PEEK Lay-Flat™ is chemically resistant and can replace traditional Nomex® materials for higher performance motor applications.



Lay-Flat™ tubing is supplied on spools in long continuous lengths that are easily shipped.

APPLICATIONS

- Replacement for film, tape, or adhesives
- Covering and component protection
- Motors: slot liners (insulation)

CAPABILITIES AND SIZING

- Wall sizes: 0.002" to 0.008" (0.051 to 0.203 mm)
- ID sizes: 0.25" to 3.18" (6.35 to 127 mm)
- Lay flat widths: 0.4" to 7.75" (1.02 to 196.85 mm)
- Available in FEP, PE, and PEEK (ETFE, PVDF, THV, and nylon may be available upon request)
- Available in heat shrink form
- Spooled or cut to length
- Colors available

KEY PROPERTIES

- Long continuous lengths
- Strength
- Lubricity
- Chemical resistance
- Biocompatible
- Lightweight



CHEMICAL RESISTANCE



DIELECTRIC STRENGTH



TENSILE STRENGTH

