

PYROMEX® Continuous Filament Tow

Pyromex® is a family of oxidized *poly*-[acrylonitrile] (PAN) fibers. These fibers have a Limiting Oxygen Index (L.O.I.) of between 50 - 60% oxygen, making Pyromex® much more flame resistant than many other organic fibers such as PBI® (41%), Nomex® (30%), or Kevlar® (28%). For carbon/carbon applications, the low sodium content of these fibers may aid in processing and performance.

Typical Tow Properties

Filament Count	312,000
Tensile Strength (Dry), Mpa	225 Minimum
Elongation (Dry), %	15 Minimum
Density, g/cm ³	1.41 ± 0.02
Tow Yield, g/m	64 ± 3
Moisture Content, %	7 ± 3
Tow Sizing, %	0.45 ± 0.20
Filament Diameter, µm	14

PACKAGING: Pyromex® continuous tow is packaged in 145 +/- 5 Kg net weight corrugated cartons. Package outside dimensions are 64 cm X 53 cm X 84 cm H (25 in X 21 in X 33 in H). Four cartons are strapped to a 112 cm X 132 cm (44 in X 52 in) pallet.

AMERICAS
Toho Tenax America, Inc.
121 Cardiff Valley Road
Rockwood
TN 37854 USA
Tel (800) 252-3001 or (865) 354-8408
<http://www.tohotenaxamerica.com>

ASIA
Toho Tenax Co., Ltd.
2-38-16, Hongo
Bunkyo-ku
Tokyo, Japan
Tel +81-3-5842-3695
<http://www.tohotenax.com>

EUROPE
Toho Tenax Europe GmbH
Kasinostraße 19-21
42103 Wuppertal
Germany
Tel +49 (202) 322339
<http://www.tohotenax-eu.com>

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