

Engineering Data Report

Report #A37

Product Name **ConTrol 2000 Fiber**

Company **Nycon, Inc.**
101 Cross Street
Westerly RI 02891
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TYPICAL PROPERTIES

Material	Nylon	Toughness	15 ksi (103 MPa)
Filament Diameter	23 microns	Melting Point	435F ° (225°C)
Specific Gravity	1.16	Acid and Salt ResistanceGood
Fiber Length	1/4", 1/2", 3/4", 1 1/2" (06, 12, 19, 38mm)	Alkali Resistance	Excellent
Filaments/lb.	17 – 90 million/lb (37 – 198 million/kg)	Ultra Violet Resistance	Excellent
Tensile Strength	130 ksi (896 MPa)	Electrical Conductivity	Low
Modulus (Youngs)	750 ksi (5.17 GPa)	Thermal Conductivity	Low
		Water Absorption/Concrete	0.72 oz./yd ³ (21.29 ml/yd ³)

PERFORMANCE PROPERTIES in mortar/concrete

- * Reduced micro & macro cracking
- * Even fiber distribution
- * Excellent workability
- * Reduced permeability
- * Smooth, hairless finish
- * Increase flexural strength
- * Increase freeze thaw resistance
- * Increase impact resistance
- * Improve abrasion resistance
- * Non-corrosive reinforcement

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