

Engineering Data Report

Report #A44

Product Name **ConTrol+ Fiber**

Company **Nycon, Inc.**
101 Cross Street
Westerly RI 02891
800 -456-9266



TYPICAL PROPERTIES

Material **Nylon**
Filament Diameter **43 microns**
Specific Gravity **1.16**
Fiber Length **3/4"**
(19mm)
Filaments/lb. **21 million/lb**
(46 million/kg)
Tensile Strength **130 ksi (896 MPa)**
Modulus (Youngs) **750 ksi (5.17 GPa)**

Toughness **15 ksi (103 MPa)**
Melting Point **435F ° (225°C)**
Acid and Salt Resistance **Good**
Alkali Resistance **Excellent**
Ultra Violet Resistance **Excellent**
Electrical Conductivity **Low**
Thermal Conductivity **Low**
Water Absorption/Concrete
..... **0.72 oz./yd³ (21.29 ml/yd³)**

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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