

## Kuraray Vectran® NT 1500/300 LCP Fiber

Category : Other Engineering Material , Composite Fibers , Polymer , Thermoplastic , Liquid Crystal Polymer (LCP)

### Material Notes:

Vectran® is a high-performance multifilament yarn spun from liquid crystal polymer (LCP). Vectran® fiber exhibits exceptional strength and rigidity. Pound for pound Vectran® fiber is five times stronger than steel and ten times stronger than aluminum. Vectran® features: High strength and modulus Excellent creep resistance High abrasion resistance Excellent flex/fold characteristics Minimal moisture absorption Hydrolytically stable Resistance to organic solvents Stable to acids (

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kuraray-Vectran-NT-1500300-LCP-Fiber.php](http://www.lookpolymers.com/polymer_Kuraray-Vectran-NT-1500300-LCP-Fiber.php)

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in <sup>3</sup>	
Moisture Absorption at Equilibrium	<= 0.10 %	<= 0.10 %	65% RH

Mechanical Properties	Metric	English	Comments
Tensile Strength	1100 MPa	160000 psi	
Elongation at Break	2 %	2 %	
Tensile Modulus	52.0 GPa	7540 ksi	Initial Modulus
Tenacity	0.794 N/tex	9.00 g/denier	

Thermal Properties	Metric	English	Comments
Melting Point	276 °C	529 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	<= 3	<= 3	
	@Frequency 1e+10 Hz	@Frequency 1e+10 Hz	

## Contact Songhan Plastic Technology Co.,Ltd.

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