

Toho Tenax Besfight® MC Type II (3000 Filament) Nickel Coated Carbon Fiber

Category : Carbon , Carbon Fiber , Other Engineering Material , Composite Fibers

Material Notes:

Besfight MC Polyacrylonitrile (PAN) based fiber combines the mechanical properties and flexibility of carbon fiber with the electrical conductivity of nickel. It does not delaminate even at the mechanical breaking point due to the good bond between the carbon fiber and nickel. Used in thermoplastic compounds for EMI shielding. Information provided by Toho Carbon Fibers, a wholly owned subsidiary of Toho Tenax Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Toho-Tenax-Besfight-MC-Type-II-3000-Filament-Nickel-Coated-Carbon-Fiber.php

Physical Properties	Metric	English	Comments
Density	3.40 g/cc	0.123 lb/in ³	
Thickness	0.500 microns	0.0197 mil	Ni Coating Thickness
Fiber Count	5200 dtex	4680 denier	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	3090 MPa	448000 psi	
Elongation at Break	1.5 %	1.5 %	
Tensile Modulus	216 GPa	31300 ksi	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000350 ohm-cm	0.0000350 ohm-cm	

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