

Toho Tenax Besfight® MC Type I (12,000 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-I-12000-Filament-Nickel-Coated-Carbon-Fiber.php

| Physical Properties | Metric | English | Comments |
|---------------------|---------------|---------------------------|----------------------|
| Density | 2.70 g/cc | 0.0975 lb/in ³ | |
| Thickness | 0.250 microns | 0.00984 mil | Ni Coating Thickness |
| Fiber Count | 14400 dtex | 13000 denier | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|----------|------------|----------|
| Tensile Strength, Ultimate | 3330 MPa | 484000 psi | |
| Elongation at Break | 1.5 % | 1.5 % | |
| Tensile Modulus | 226 GPa | 32700 ksi | |

| Electrical Properties | Metric | English | Comments |
|------------------------|------------------|------------------|----------|
| Electrical Resistivity | 0.0000750 ohm-cm | 0.0000750 ohm-cm | |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China