

PYROFIL™ TR 50S 12L

Standard Modulus Carbon Fiber Product Data Sheet

Description

PYROFIL™ TR 50S 12L is a standard modulus carbon fiber with extremely high tensile strength. It is a continuous carbon fiber and has 12k (12,000) filaments with approximately 7 microns diameter. **PYROFIL™ TR 50S 12L** is a PAN based carbon fiber, which is made of non-textile precursor designed for high performance applications and totally suitable for many applications requiring higher tensile strength.

Typical Fiber Properties

Fiber Properties	Typical Values
Strand Tensile Strength	4.90 GPa (710 ksi)
Strand Tensile Modulus	235 GPa (34 Msi)
Filament Density	1.82 g/cm ³
Mass Per Unit Length	800 mg/m
Elongation	2.1 %
Filament Count	12k (12,000)
Filament Diameter	6.8 μm

Safety Precautions

It is recommended that customers should notice precautions for handling carbon fibers and operators should handle the material with clean wear, special gloves and eyeglasses to prevent from contacting the materials.

Safety Data Sheets (SDS) are prepared for all Mitsubishi Chemical Corporation products and are available if required.

For More Information

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