

PYROFIL™ TR50S 6L Product Data Sheet

PAN based, standard modulus continuous carbon fiber; available in 6,000 filament count. This fiber has elevated tensile strength and suitable for textile intermediate product forms, such as woven fabrics and prepreg materials.

Typical Fiber Properties	SI Units	Imperial Units
Strand Tensile Strength	4.90 GPa	710 ksi
Strand Tensile Modulus	235 GPa	35 Msi
Filament Density	1.82 g/cm ³	0.066 lb/in ³
MUL/Yield	400 mg/m	1,240 yd/lb
Elongation	2.1 %	
Filament Diameter	6.8 μm	

Available Sizing

Our sizing are available in different types & levels, and compatible with various resin systems.

Standard Packaging

Typical Spool Weight		Typical Fiber Length		Spools per Case	Typical Case Net Wt.		Typical Full Pallet Net Wt.		Spool Outside Diameter	
kg	lb	meters	yards		kg	lb	kg	lb	mm	in
2.0	4.4	5,000	5,468	8	16	35	192	423	122	4.8

Some products may be available in different spool sizes and/or pallet-size containers.

Safety Information

The user is responsible to read, and understand the Safety Data Sheet (SDS) before use of this product.

For more information

North America: cfid-orders@mccfc.com + 1 (916) 386 1733 www.mccfc.com
 Europe: orders@mccfc.uk + 44 (0) 2476 447272

Important Disclaimer: The technical information contained herein is not to be construed as a specification or warranty. ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OR MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT, ARE HEREBY DISCLAIMED EXCEPT TO THE EXTENT SUBJECT TO OUR CURRENT TERMS AND CONDITIONS OF SALE FOR ACCEPTED PURCHASE ORDERS. The information herein is provided in good faith and believed accurate, but all data, recommendations and suggestions are provided without warranty, since the conditions of use are beyond our control and can affect the performance and properties of our products. The user is solely responsible for confirming that our product is suitable for the intended end use, and for compliance with all legal regulations and patents.

© 2020 Mitsubishi Chemical Carbon Fiber and Composites, Inc. All rights reserved.

PDS TR50S 6L Rev 02 April 2020