



183F

Chopped Strands

PRODUCT DESCRIPTION

183F is a high performance chopped strand reinforcement engineered for optimum performance in several Thermoplastic and Thermoset resin systems. 183F works well in Thermoplastic polyester (PBT), PET and PCT.

In addition, 183F works well in Thermoset phenolics as well as epoxies.



PRODUCT REFERENCE

DS3183F-13C, 183F-14C, 183F -11C, 183F-14P
Glass Type: Advantex® - Boron Free
Process Type: Continuous
Filament Diameter: 14µm, 13µm, 11µm (Micrometer)
Chop length: 4mm

FEATURES AND PRODUCT BENEFITS

- | | |
|------------------------------------|--|
| • Excellent dispersion | • Improved quality |
| • Excellent resin compatibility | • Good composite mechanical properties |
| • Advantex® Glass | • Good chemical resistance |
| • Low fuzz levels | • Minimum production downtime |
| • ISO 9002 certified manufacturing | • Consistant product |

TECHNICAL CHARACTERISTICS (NOMINAL VALUES)

PRODUCT DESCRIPTION	FILAMENT DIAMETER (µm)	LOSS ON IGNITION (%) CS 01-GC	MOISTURE (%) CS 01-GC	STRAND INTEGRITY (%) ² CS 07B-GC	LONG FIBERS (% MAX) CS 06-GC
183F-14P, 4mm ¹	14	0.70	0.05 max	12 (7 min)	1.99
183F-11C, 4mm	11	0.70	0.05 max	10 (7 min)	1.30
183F-14C, 4mm	14	0.70	0.05 max	20 (7 min)	1.30
DS3183F-13C, 4mm	13	0.70	0.05 max	7 (7 min)	1.30

Notes:

- (1) Larger bundle – not recommended for thermosets. This product has good feeding characteristics with low level of fines.
- (2) Strand Integrity is measure of tendency to create fuzz in processing. Low number is less fuzz.

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PACKAGING

- Standard packaging is a polypropylene fabric bulk bag with discharge chute. Discharge chute is 24" in diameter.
- This bag is recyclable. The bag is designed to be suspended by the top loops for discharging.
- Special options would be a bulk carton or a small carton box.

PACKAGING	UNIT WEIGHT (KG)	PALLET SIZE (INCHES)	OVERALL HEIGHT WITH PALLET (INCHES)	NET WEIGHT ON PALLET (KG)	COMMENTS
Bulk Bag	2255 2406 ¹	45 x 45	52	2255 2406 ¹	Standard
Small Carton	50	45 x 45	38 ² 49 ³	1350 1800	Special
Bulk Carton	1211	45 x 34	45	1211	Special

- Notes:** (1) 183F-14P only
(2) 3 layers of cartons
(3) 4 layers of cartons

LABELING

- Each package contains product description and net weight.
- Manufacturing date on label is considered the Lot number.

STORAGE

Double stacking the bulk bags is not recommended. 183F chopped strands must be stored indoors in a dry location. Recommended storage conditions are 50% R.H. and 72° F. The product should remain in its original packaging, preferably closed, until just prior to use. When stored properly, there is no known shelf life to the product, but retesting is advised after three years from the initial production date to insure optimum performance.

Contact

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