



# 973 & 973CX1 ENHANCE SURFACE AESTHETICS & PERFORMANCE

**973 family of products represents a compelling solution for Sheet Molding Compound (SMC) Class A & semi-structural parts where efficient processing, superior surface finish and mechanical properties are required.**

- 973 & 973CX1 multi-end rovings are made from Advantex® continuous glass filaments.
- These products are compatible with polyester and vinyl-ester resin systems; as well as polyurethane resins used in Long Fiber Injection (LFI) processes.

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## Product Benefits

### Efficient processability

- Proprietary sizing enables optimal processability in both SMC and LFI processes with: low static and fuzz, easy chopping without long fiber cuts, and excellent runnability with smooth unwinding.

### Class A surface finish

- Excellent wetting characteristics allow lower sheet density, resulting in Class A surface quality in Low Profile SMC.

### High mechanical properties

- Optimal adherence to the resin matrix, along with excellent wetting characteristics provide enhanced mechanical properties in semi-structural applications.

### Enhanced service life

- Advantex® glass helps fight corrosion, enhancing service life compared to standard E-glass.

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## Application

973 & 973CX1 products are designed to provide optimal mechanical and aesthetics performance in Low Profile Class A automotive and semi-structural heavy truck applications. Good surface finish can also be achieved in LFI applications with in-mold coating.



## Availability

Available worldwide – other Tex may be available upon request.

MANUFACTURING REGION	PRODUCT/ DOFF DESCRIPTION	EXTERNAL Ø (MM/IN)	HEIGHT (MM/IN)	NET WEIGHT (KG/LB)
North America	973 4500 Tex	280; 305; 355/ 11; 12; 14	260 /10.3	30/67.5
Latin America	973 4400 Tex	280; 305	260	18;21
Asia Pacific	973C 4500 Tex / 973CX1 2200 Tex	280	265	18

## Technical Characteristics (Nominal Values)

LINEAR WEIGHT OF ROVING (TEX)	YIELDS (YDS/LB)	LOSS ON IGNITION (%) ISO 1887:1995
2200/4400/4500	207/110	1.88

## Packaging and Labeling

Each bobbin is protected by a plastic film (Tack-Pak™). Please do not remove film during use. Creel-Pak™ packaging is available upon request.

Each bobbin has a self-adhesive identification label, showing the product reference and the production date. Each pallet has at least one identification label detailing the product reference, pallet net and gross weights, production date and pallet production code. The packaging system is designed to allow short term stacking of two pallets. When stacking two high, care should be taken to correctly and smoothly place the top pallet. It is recommended to use a plywood plate between the two pallets in order not to damage the lower pallet.

MANUFACTURING REGION	PRODUCT	DOFF Ø (MM/IN)	PALLET DIM LxWxH (CM/IN)	LAYERS PER PALLET	DOFFS PER LAYER	NUMBER OF ENDS	PALLET NET WEIGHT (KG/LB)
North America	973 4500 Tex	280; 305; 355/ 11; 12; 14	142 x 109 x 119 / 56 x 43 x 47	4	12	1 to 16	1470/3,240
Latin America	973 4400 Tex	280; 305	129 x 97 x 120	4	12	1 to 12	1000
			115 x 115 x 120	4	16	1 to 16	1150
Asia Pacific	973C 4500 Tex 973CX1 2200 Tex	280	115 x 115 x 95	3	16	1 to 16	864

## Storage

It is recommended to store glass fiber products in a cool, dry area. The glass fiber products must remain in their original packaging material until the point of usage; the product should be stored in the workshop, within its original packaging, 48 hours prior to its utilization, to allow it to reach the workshop temperature condition and prevent condensation, especially during cold season. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water. When stored properly, there is no known shelf life to the product, but retesting is advised after two years from the initial production date to insure optimum performance.



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