

High tenacity in Technical Textiles and Nonwovens: World Market Forecast Tables to 2010

Description of Products Covered

Application Area and Product	Product Description and Function
Agrotech: Woven crop cover, protection	General agricultural, horticultural wovens for protection: wind-breaks, ground matting, tobacco cloth, etc (including tarpaulins)
Agrotech: Land netting	Nets for crop protection, fruit collection, etc. Includes balewrap nets
Agrotech: Fishing ropes	Ropes for fishing - towing nets, fish farms, etc (only)
Agrotech: Fishing nets	Nets for all fishing purposes, including seine nets, fish farms etc
Buildtech: Tarpaulins	Heavy woven fabrics for protection and storage applications
Buildtech: Textile structures	Heavy woven fabrics for marquees, tenting, roofs, etc - including architectural membranes
Buildtech: Awnings, canopies	Woven fabrics for commercial and industrial awnings and canopies
Buildtech: Woven roofing	Fabrics for use as substrates in single ply roofing
Buildtech: Roof scrims	Support for nonwovens (e.g. felt) and for PVC coating, for use on roofs
Buildtech: Hoardings	Fabrics for billboards, hoardings, mostly for advertising.
Buildtech: Scaffold nets	Scaffolding nets to protect against falling debris; façade netting with or without printed advertising
Clothtech: Sewing threads	Threads used in all garment applications
Geotech: Ground stabilisation	Geotextile fabrics for stabilisation, separation, drainage
Geotech: Soil reinforcement	Geotextile fabrics for reinforcement of soil
Homotech: Furniture webbings	Strapping used to support seating in upholstered furniture, etc
Homotech: Sewing threads	Threads used in all furnishing, household textile applications
Indutech: Conveyor belting	Woven fabrics for conveying and speciality applications
Indutech: Hoses	Braids, woven and knitted fabrics used to reinforce rubber and polymer hoses for industrial applications
Indutech: Drive belting	Machine drive and power transmission belting including flat and coated products as well as V-type designs
Indutech: Woven filters	All woven filters for use in industrial applications
Indutech: Cable components	Central strength members and rip cord yarns for use in cables
Indutech: Liftingwebs	Webs and roundslings for lifting purposes
Indutech: Ropes	Ropes and cords for use in industry
Indutech: Misc coated fabrics	a) Coated fabrics storage silos b) Coated fabrics for oil booms c) Heavy coating substrates for covers and miscellaneous applications
Mobiltech: Car tyre cord	Fabric for reinforcement of car tyres
Mobiltech: CV tyre cord	Fabric for reinforcement of tyres other than for cars
Mobiltech: Auto drive belt	Fabric for reinforcement of automotive drive belts, etc
Mobiltech: Auto hose	Fabric for reinforcement of automotive hoses
Mobiltech: Seat belts	Narrow woven safety belt fabric for vehicles
Mobiltech: Air bags	Fabric for reinforcement of automotive safety air bags
Mobiltech: Truck covers	Heavy woven fabrics for truck covers, curtain-sides and other protection and storage applications (e.g. ships' hold covers)
Mobiltech: Tiedowns	Narrow woven belts for truck curtain-sides and cargo restraints
Mobiltech: Ropes	Ropes used in transport, including marine, tethering, etc

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Description of Products Covered (continued)

Application Area and Product	Product Description and Function
Packtech: FIBC big bags	a) Flexible Intermediate Bulk Containers ("Big Bags") b) Laundry bags and other bulk packaging products
Packtech: Misc. woven packaging	a) Woven fibre strapping b) Other miscellaneous woven packaging items such as lightweight mail-bags
Protech: Cut, slash protection	Fabrics for garments and gloves used to provide protection from knives, glass or other sharp implements; chain saw protection
Protech: Ballistic protection	Fabrics designed to deflect or absorb impact of bullets, etc
Protech: FWC	Fabrics for foul weather clothing using coating or laminates, for all end uses
Protech: Harnesses	Safety straps for workers, climbing, push chairs, child car seats, etc
Sporttech: Boat covers	Boat covers and other fabrics used to provide protection from adverse weather on pleasure craft
Sporttech: Sports bags, luggage	Face fabrics and substrates for soft sided luggage, bags for carrying sports gear, rucksacks
Sporttech: Sailcloth	Fabrics used in mainsails, foresails and spinnakers
Sporttech: Climbing ropes	Ropes and cords used for climbing, yachting, etc
Sporttech: Air sport fabrics	Fabrics for balloons, kites, para-gliders, parachutes
Sporttech: Tents	Fabrics for use in lightweight, portable tents for personal camping/sleeping purposes
Sporttech: Sleeping bag fabrics	Outer fabrics for sleeping bags
Sporttech: Animal webbing	Pet leads, collars, horse halters, etc

END

Reporting Levels Used in the High Tenacity Forecast Tables

Regions	Fibre Types	Fabric and Other End-Use Product Types
N America S America W Europe E Europe S Asia N E Asia S E Asia Rest of World (Central Asia, Middle East, Africa, Oceania)	Viscose Polyester Polyamide Polypropylene Polyethylene	Woven Knitted Yarn-based products Other fabrics
Total: 8	Total: 5	Total: 4

HIGH TENACITY

End-Use Products in Technical Textiles and Nonwovens: World Market Forecasts to 2010

Structure of the Tables

Part A consists of **5 Summary Tables**, which provide an overview of high tenacity consumption by volume worldwide over the period 1995-2010. These tables split high tenacity consumption by product, application area (e.g. Mobiltech), region, fibre type (e.g. polyester) and fabric type (e.g. woven).

Parts B-D provide a detailed analysis of **47 individual high tenacity end-use products** with consumption forecasts to 2010:

- Part B (2 tables) provides estimates and forecasts of consumption for each product across **8 regions** of the world (e.g. North America) in 2002 and 2010.
- Part C (7 tables) shows each of the **5 fibre types** (e.g. polyester) used in the production of each high tenacity product in 1995 and for each year from 2000 to 2010.
- Part D (2 tables) shows each of the **4 fabric types** (e.g. knitted) used in the production of each high tenacity product in 2002 and 2010.