

Spectrum Yarns Dictionary

www.sdy.com

- A.M.Y.®** Antimicrobial yarns (Unifi).
www.unifi-inc.com/products/amy/default.aspx
- Accepta™** Easy dye or deep dye polyester (KoSa). Dyes at lower temperatures than regular polyester.
www.kosa.com/textfila/accepta.htm
- Acrilan®** Acrylic fiber (Solutia). DISCONTINUED
- AglION™** Antimicrobial compound (AglION Technologies) made with silver. AglION is used in Fosshield. www.agion-tech.com/about2.html
- Akwadyne®** Nylon treatment (Comfort Technologies) that imparts semi-permanent moisture management properties.
www.fabriclink.com/pk/Akwadyne/home.html
- Akwatek®** Polyester treatment (Comfort Technologies) can be used on any spun or filament polyester. Permanent moisture management properties. www.fabriclink.com/pk/Akwatek/home.html
- AlphaSan®** Antimicrobial (Milliken Chemical). A zirconium phosphate based ceramic ion-exchange resin containing silver.
www.specialchem4polymers.com/sf/Milliken/index.aspx?id=alphasan
- Antimony Free Polyester** Antimony is the most common catalyst to make polyester. It is cheap and helps achieve a clean reaction. It is also a heavy metal. Some environmentalists believe the antimony in polyester dumped in a landfill can pollute ground water. Antimony free polyester is more expensive and is typically not as white as polyester made with antimony.
- Augusta®** Textured filament yarn (Urifi) offering spun aesthetics with the performance of synthetics.
www.fabriclink.com/pk/Augusta_Sorbtek/Home.html
- Avora® FR** Inherent flame retardant polyester (Invsita). Available in spun or filament. Will not wash out.
<http://www.avora.com/about/properties.asp>
- Avora® Plus** Inherent flame retardant polyester (KoSa) that has twice the FR additive of regular Avora®. Available in spun or filament. Will not wash out.
- Bamboo** Bamboo is a lyocell made from the bamboo plant. It absorbs more moisture and dries faster than cotton. It is naturally antimicrobial.
- Biofresh™** Antibacterial acrylic fiber for activewear and hosiery (Sterling). Active ingredient is triclosan antibacterial agent. DISCONTINUED
- BioShield** Antimicrobial (Nova Biogenetics) based on organosilane chemistry. Can be used in the dyebath of polyester as well as other fibers.
- Bounce-Back®** Bicomponent acrylic fiber for hand craft yarns (Solutia). Has water reversible crimp to help allow the fiber to recover to the original shape and size after elongation. One of The Smart Yarns® by Solutia. DISCONTINUED
- Cielo™** Yarns create fabrics with high stretch and surface interest with crepe-like hand. www.unifi-inc.com/products/cielo/default.aspx

Spectrum Yarns Dictionary

www.sdy.com

- Colorbrite™** Cationic dyeable polyester staple (DAK).
- ComFortrel Plus®** Filament copolymer polyester that has moisture management properties (Wellman).
- ComFortrel XP®** Copolymer polyester (Wellman), semidull, optically brightened super white, multiple staple length, moisture management properties, ring spun only. Used mainly in hosiery.
www.wellmaninc.com/Fibers/ProductInfo/ProductDesc/ComfortrelXP.html
- Coolmax Alta™** Fabric made from a low pill version of Coolmax® (Invista).
- Coolmax®** Fabric made from quatrachannel spun polyester (Invista), has moisture management properties.
<http://www.coolmax.invista.com/index.html>
- Cordura®** High tenacity nylon (Invista) used for durability and abrasion resistance. Used in backpacks, luggage, hiking shoes, workwear, etc. Available in air jet textured filament only.
http://www.invista.com/page_product_cordura_en.shtml
- Creora®** Spandex (Hyosung). <http://www.creora.com/eng/index.jsp>
- Creslan®** Acrylic fiber (Sterling). DISCONTINUED
- CresLoft®** High bulk acrylic (Sterling) for high performance socks. Has moisture management properties. DISCONTINUED
- Dacron® Plus** Polyester staple (DAK).
- Delcron® HydroPur** Polyester staple (DAK). Combines the moisture management of Hydrotec® with the antimicrobial properties of SteriPur® AM. Uses the antimicrobial AlphaSan® from Milliken.
- Delight** Filament polyester (NanYa) with cross cross section. Moisture management properties through capillary action.
- Dorlastan®** Spandex fiber (Bayer) is lightweight and soft. Dorlastan® can be stretched over 500% without breaking, and can be stretched repeatedly and still recover its original length.
www.dorlastan.com
- DOW XLA™** Olefinic-based fiber (DOW). Inherently resists harsh chemicals, high heat and UV light. <http://www.dow.com/dowxla/what.htm>
- Dralon®** Acrylic fiber (Dralon GmbH)
- dri-release®** Polyester/cotton blend (Optimer) has moisture management properties. Mostly used as air jet spun, but some ring spun used in hosiery. www.fabriclink.com/pk/drirelease/home.html
- Duraspun®** Acrylic fiber (Solutia) used mainly in hosiery. DISCONTINUED
- Eclipse®** Provides the look and textured hand of blended wool with the easy care attributes of synthetics (Unifi) Offered in a range of mélange and striated effects and heathers.
www.unifi-inc.com/products/eclipse/default.aspx
- ECOEmblazia** Solution dyed recycled polyester (KoSa)
- EcoSpun®** Recycled polyester (Wellman) made from post consumer waste such as soft drink bottles.
www.wellmaninc.com/Fibers/ProductInfo/ProductDesc/ecos.html
- Emblazia™** Solution dyed polyester (KoSa) available with or without UV protection.

Spectrum Yarns Dictionary

www.sdy.com

- ESP®** PBT (KoSa), high stretch polyester. Used in warp or filling to produce one-way stretch fabrics. Can also be used in circular or warp knit to produce two way stretch fabrics.
http://www.invista.com/page_product_esp_en.shtml
- FERAN ICE** Moisture management dye bath additive (Rudolph Chemie) for filament and spun polyester.
- Firex®** Inherent flame retardant polyester (Hyosung).
- Fortrel** Microdenier polyester staple (Wellman).
- MicroSpun®** www.fabriclink.com/pk/MicroSpun/home.html
- Fosshield®** Antimicrobial polyester fiber (Foss) produced with AgION™. AgION™ is made with all natural silver. It is also called FossFibre® with AgION™.
- Freshguard®** Antimicrobial version of *dri-release®* (Optimer).
- Ginny™ Fiber** Microdenier acrylic (Solutia) used in hosiery. DISCONTINUED
- Gore-TEX®** Patented membrane (Gore) that makes apparel fabrics waterproof and breathable. www.fabriclink.com/pk/Gore-tex/home.html
- Holofiber™** Materials are incorporated into the fiber when it's produced (Hologenix). These materials increase blood oxygen levels in the wearer, helping to build strength and accelerate muscle recovery.
www.fabriclink.com/pk/Holofiber/home.html
- Hydrofil®** Specialty T6 nylon with moisture management properties (Universal).
- Hydrolon** Dye bath additive for moisture management properties on polyester and nylon.
- HydroPur** See Delcron® HydroPur.
- Hydrotec™** Polyester staple (DAK) with built in moisture management properties. Round cross section, ring or air jet spun, disperse dyeable.
- Imbue™** Polyester (KoSa) with built-in antimicrobial properties. Imbue uses an innovative silver ceramic additive that is embedded into the polyester, resulting in antimicrobial effectiveness that lasts the lifetime of the product.
- Ingeo™** Plastic made from the starch of corn (NatureWorks LLC). Corn is a renewable resource. Ingeo is biodegradable.
www.cargilldow.com/ingeo/home.asp
- Innova®** Filament polyolefin (American Fibers and Yarn Co.) used in high performance activewear.
www.fabriclink.com/pk/Innova/home.html
- Innova® AMP** Antimicrobial filament polyolefin (American Fibers and Yarn Co.) used in high performance activewear.
www.fabriclink.com/pk/InnovaAMP/home.html
- Kanecaron** Modified acrylic (Kaneka) that is self extinguishing. Kanecaron extinguishes itself by carbonizing when the flame is removed. This forms a charred barrier that prevents the flame from spreading. www.kanecaron.com/whats/
- KEVLAR®** Aramid fiber (DuPont) used in high performance protective apparel such as bullet proof vest, trampolines, helmets, sail cloth

Spectrum Yarns Dictionary

www.sdy.com

- Lenpur** and sporting goods. www.dupont.com/kevlar/home_main.html
Cultivated wood fiber (Lenpur), lyocell made from tree trimmings
www.texinpro.com/engl/lenpur/lenpur.htm
- Lenzing FR®** Flame resistant viscose (Lenzing). Used in safety and protective clothing. <http://www.lenzing-fasern.com/fibers/en/textiles/2883.jsp>
- Lenzing Modal®** High wet modulus rayon made from regenerated cellulose. (Lenzing). Also has high tenacity. Fabrics made from this yarn are washable. <http://www.lenzing-fasern.com/fibers/en/textiles/167.jsp>
- Lenzing Viscose®** Cellulosic fiber, rayon. (Lenzing).
<http://www.lenzing-fasern.com/fibers/en/textiles/107.jsp>
- LYCRA®** Spandex fiber (Invista) is lightweight and soft. Lycra can be stretched over 500% without breaking, and can be stretched repeatedly and still recover its original length. www.lycra.com/
- Lyocell** Sub category of rayon. Cellulose fiber made using a more environmentally friendly process than rayon. Excellent wet strength. Garments made from this fiber can be hand washed. www.fibersource.com/f-tutor/lyocell.htm
- Merano™** Yarn that combines natural fiber aesthetics with synthetic performance (Unifi). Has melange surface effects with a wool touch. www.unifi-inc.com/products/merano/default.aspx
- Meryl®** Filament nylon (Nylstar) includes several sub-brands including Skinlife and Nateo, www.nylstar.com/all/products/h_produ.html
- Meryl® Actisystem** Fabric made with Meryl® Actisystem (Nylstar) combines several high performance solutions, including moisture management, ultraviolet protection, ultralight, windproof, and abrasion resistance.
- Meryl® Nateo** Filament nylon (Nylstar). Offers moisture management and some protection against UV. www.nylstar.com/all/products/produ-nateo.html
- Meryl® Nexten** Hollow polyamide fiber (Nylstar). Provides warmth with minimal weight. www.nylstar.com/all/products/produ-next.html
- Meryl® Satiné** Polyamide fiber with lengthened rectangular section which diffracts reflected light to give a smooth sheen (Nylstar).
www.nylstar.com/all/products/produ-satine.html
- Meryl® Skinlife** Antimicrobial nylon (Nylstar). POY is available in 40/34 and 70/68. Uses AlphaSan® by Milliken as the antimicrobial.
www.nylstar.com/all/products/produ-skin.html
- Meryl® Souple** Very soft polyamide for hosiery and underwear (Nylstar).
www.nylstar.com/all/products/produ-souple.html
- Meryl® Tango** Large family of polyamide fibers characterized by different cross sections. Gives fabric silk effects.
www.nylstar.com/all/products/produ-tango.html
- Meryl® Techno** Special polyamide with increased abrasion resistance and higher tenacity (Nylstar). www.nylstar.com/all/products/produ-techno.html
- Meryl® UV** Full dull microfiber polyamide yarns (Nylstar), used in a correct

Spectrum Yarns Dictionary

www.sdy.com

Protection	way, offer UVA and UVB protection. www.nylstar.com/all/products/produ-uv.html
Microban®	Antimicrobial additive. www.microban.com/americas/
Micromattique™	Microdenier polyester (Unifi). www.dacron.com/MMmain.html
Micromodal	See Modal® MICRO.
MicroSafe®	Inherent antimicrobial acetate fiber (Celanese Acetate). End uses include activewear, hosiery, underwear, sleeping bags.
MicroSpun®	Microdenier spun polyester (Wellman). http://www.fabriclink.com/pk/MicroSpun/home.html
MICROSUPREME®	Microdenier acrylic (Sterling) with moisture management properties. DISCONTINUED
Modal® MICRO	Microdenier modal (Lenzing)
MO-X	Antimicrobial polyester (NanYa). Properties are added during the extrusion process so they are permanent. Uses a proprietary inorganic chemical as the antimicrobial.
Mynx™	Full dull nylon or polyester (Unifi). www.unifi-inc.com/products/mynx/default.aspx
NOMEX®	Aramid (DuPont) inherently flame resistant. www.dupont.com/nomex/whatisnomex_main.html
Novva™	Yarns with flat yarn luster that can be processed with the ease of textured filament yarns (Unifi). Create satiny fabrics. www.unifi-inc.com/products/novva/default.aspx
Organic cotton	Cotton grown without the use of inorganic fertilizers, herbicides and pesticides. http://www.sustainablecotton.org/
Outlast®	Uses phase change material called Thermocules® embedded into acrylic (Outlast Technology Inc.). Reacts with your body's temperature to keep the body more comfortable. Excess heat from the body is absorbed by the Thermocules® to reduce overheating and sweating. This stored heat is released back to the body as needed to reduce chill. www.fabriclink.com/pk/Outlast/home.html
PI-POLY™	Minerals are embedded into the polyester (Pi-Ray) that emit far infrared rays with the same wavelengths as natural sun. Far infrared rays activate metabolism in the body and increase the blood circulation. PI-POLY™ also inhibits microbial growth and is anti dust mite. Can be used in blends with other fibers such as cotton or in 100% form. www.pirayUSA.com
Polartec®	High performance fabrics made by Malden Mills. Polartec® Power Stretch® www.fabriclink.com/pk/PowerStretch/home.html is designed to be the first or only layer with four way stretch and moisture management. Polartec® PowerDry® is another fabric that can be used www.fabriclink.com/pk/PowerDry/home.html as the first or only layer. Patented bipolar construction, inner layer wicks moisture while the outer layer spreads moisture for maximum evaporation.
ProViscose®	A yarn combining the properties of viscose and Lyocell (Lenzing)

Spectrum Yarns Dictionary

www.sdy.com

to make the strongest viscose fiber in the world. Textiles made from ProViscose® can be washed many times without losing their shape or appearance.

Recycled cotton

Cotton made from recovered cotton that would otherwise be wasted during the spinning, weaving or cutting process.

Recycled polyester

Recycled polyester falls into three categories: post industrial, post consumer and a combination of the two. Post industrial is usually made from off spec chip that is reprocessed. Post consumer is made from materials such as polyester drink bottles that are reprocessed. Post consumer is much harder to control in downstream processing because there are more variables than with post industrial. For this reason some manufacturers combine both post industrial and post consumer polyester to make a product that is easier to process.

Reflexx™

Cost effective alternative to PBT yarn (Unifi). www.unifi-inc.com/products/reflexx/default.aspx

Remember®

Bicomponent acrylic fiber (Solutia) that has water reversible crimp. Allows the fiber to recover to the original shape and size after elongation. One of The Smart Yarns® by Solutia. See The Smart Yarns®. DISCONTINUED

Repreve®

Recycled POY made from post consumer and post industrial (Unifi). Can be offered in producer colored yarn or package dyed. www.unifi-inc.com/products/repreve/default.aspx

S-45

Spandex (RadicSpandex). Specifically formulated to provide protection from the damaging effects of dyeing at elevated temperatures. <http://www.radicispandex.com/s45Control.html>

Salus®

Inherent antimicrobial polyolefin (Filament Fiber Technology), Uses Microban® to control bacteria, fungi, and yeast.

Sanitized®

Antibacterial (Sanitized AG). Dyebath additive that can be used on several fibers, based on trichlosan chemistry.

www.sanitized.com/html/trademarks/sani.brand.html

Satura™

Solution dyed yarns (Unifi).

www.unifi-inc.com/products/satura/default.aspx

SeaCell®

Lyocell made from seaweed (Zimmer).

<http://www.seacell.com/english/idee.html>

Sensura®

T870 copolymer staple polyester (Wellman), semidull, optically brightened, disperse dyeable, round cross section, multiple staple length. www.fabriclink.com/pk/Sensura/home.html

Sorbtek®

Moisture management technology (Unifi) imbedded in the yarn, making it permanent. Has some stain release properties.

www.fabriclink.com/pk/Augusta_Sorbtek/Home.html

Spunnaire®

T-475I copolymer staple polyester (Wellman), optically brightened super white, disperse dyeable, round cross section, straight cut staple, open end spun only.

www.fabriclink.com/pk/Spunnaire/home.html

Stain Release

A finish applied to textiles to make stains easier to remove. This finish does not minimize the chance of the fabric getting stained

Spectrum Yarns Dictionary

www.sdy.com

- Stain Repellent** but does make the stain much easier to remove during washing. A finish applied to textiles to minimize stains such as grass, ketchup, etc. getting into the fabric. If a stain does “get by” this type finish, it is very hard to remove because it can become trapped under the finish.
- SteriPur® AM
Sultra®** Antimicrobial polyester staple (DAK) using Millikens AlphaSan®. Ultra-microdenier yarn used in “sueded” fabrics for apparel, home furnishings and automotive upholstery. (Unifi)
www.unifi-inc.com/products/sultra/default.aspx
- Supplex®
Supplex® Micro** Nylon (Invista), air jet texturized, feels like cotton. Lower dpf version of Supplex. For warp and circular knits.
- Tactel®
Taly Wood-Silk** Nylon (Invista), can be flat or false twist texturized. Made from special types of wood fibers using an environmentally friendly process. Products made from Natural Wood Silk are softer, and have better elasticity and absorbency than cotton.
www.talyusa.com/company.html
- Teflon** Fluorochemical finish (DuPont) forms an invisible shield around each fiber to protect fabric against stains. Acts as a repellent and stain release.
- TENCEL®** Lyocell (Lenzing). Man-made cellulosic fiber derived from wood pulp. Produced via an advanced closed loop solvent spinning process with minimal impact on the environment.
<http://www.lenzing-fasern.com/fibers/en/textiles/303.jsp?menueld=3>
- Textra™** Creates fabrics with a unique texture of linen or silk through its slub like surface effect (Unifi).
www.unifi-inc.com/products/textra/default.aspx
- The Smart Yarns®** Acrylic craft yarns (Solutia) including Acrilan®, Remember® and Bounce-Back®. DISCONTINUED
- ThermaStat™
Thermax
Thermolite® BASE** See Thermolite® BASE.
See Thermolite® BASE.
Fabric made with polyester yarn spun with hollow-core fibers (Invista) that trap air to insulate the wearer. There is disperse dyeable and cationic dyeable Thermolite®. This used to be called ThermaStat™ (cationic dyeable version) and Thermax (disperse dyeable version).
- Trevira CS®
Bioactive
Trevira® CS** Inherent flame retardant and antibacterial polyester (Trevira). Available in spun only.
Inherent flame retardant polyester (Trevira). Available in spun or filament. www.treviracs.com/engisch/facts/basics/prodinfo.asp
- Wear-Dated®** Branded residential nylon 6,6 carpet and acrylic upholstery (Solutia) www.fabriclink.com/Yarn/Yarnfacts1.html
DISCONTINUED
- WeatherBloc™** Weather resistant acrylic (Sterling). Provides a tough fabric for outdoors. Impervious to UV degradation, resists chlorine and other chemicals. Used in outdoor furniture, awnings, marine

Spectrum Yarns Dictionary

www.sdy.com

X-Static®

applications, and sunlight protective clothing. DISCONTINUED
Antimicrobial fiber (ACOR), pure silver is bound to the fiber. Silver
is an effective antimicrobial and thermally conductive.

www.acor.com/X-static.htm