

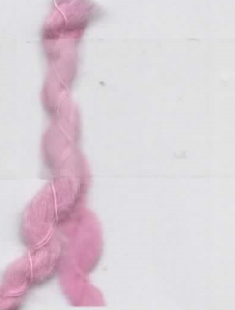

















#N1 - N15 (Narrow Samples): Fibers, Yarns, and Narrow Fabrics

 <p>Sample N1 / cotton fiber 100% cotton / fiber stage (natural color) / natural cellulose fibers, conventional cotton / fiber type impacts textile performance / seed hair fiber from cotton plant / cotton is the most widely used apparel fiber</p>	 <p>Sample N2 / cotton yarn 100% cotton / yarn stage (natural color) / 20/2 yarn / simple, 2-ply yarn / yarn type impacts textile performance / two plies of 20-denier yarn / two strands twisted together</p>	 <p>Sample N3 / narrow fabric 100% cotton / woven fabric / simple, 4-ply yarn / courtesy of Louet North America www.louet.com / four strands as one</p>	 <p>Sample N4 / care label (100% cotton) / possible care label for product made of 100% cotton / ONE common care label that MIGHT be used on a product with this fiber content</p>	 <p>Sample N5 / care label (65% poly/35% cotton) / possible care label for product made of 65% polyester/35% cotton / ONE common care label that MIGHT be used on a product with this fiber content</p>
 <p>Sample N6 / care label (100% wool) / possible care label for product made of 100% wool / ONE common care label that MIGHT be used on a product with this fiber content</p>	 <p>Sample N7 / color grown organic cotton yarn / naturally colored organic cotton / natural cellulose fibers, organically grown in brown color / carded yarn / slub yarn / cotton grown in color / grew in this color (via revival of ancient cotton strains), eliminating the need for dyeing / somewhat smooth / thick and thin yarns / requires no dyeing</p>	 <p>Sample N8 / certified organic cotton yarn / 100% Pakucho brand certified fair trade and organic Pima cotton / natural cellulose fibers, GOTS (Global Organic Textile Standards) certified organically grown, long staple cotton / soft twist yarn / natural botanical dyed / Pima breed of cotton produces extra-long staple (ELS) fibers / fair trade cotton / made from soft roving / dyed by hand</p>	 <p>Sample N9 / color grown certified organic cotton yarn / 97% Pakucho brand certified organic color grown cotton/3% fine virgin copper / natural cellulose fibers, GOTS (Global Organic Textile Standards) certified organically grown / mineral/cellulosic fiber blend / antimicrobial / grew in this color, eliminating the need for dyeing / fair trade cotton / metallic / antimicrobial due to copper</p>	 <p>Sample N10 / recycled cotton yarn / 75% recycled cotton/25% acrylic / recycled natural cellulose fibers from textile waste originating in the apparel and textile industry and blended with acrylic / simple, 8-ply yarn / 2nd Time Cotton brand yarn contributes "to the conservation and global re-utilization of products" / made in the U.S.A. / eight strands as one</p>
 <p>Sample N11 / Egyptian cotton yarn / 100% Egyptian cotton / natural cellulose fibers, long staple cotton / combed yarn / 10/3 yarn / Egyptian Giza breed of cotton produces super extra-long staple (ELS) fibers / very smooth / 3 plies of 10-denier</p>	 <p>Sample N12 / flax fiber / 100% flax (linen) / natural cellulose fibers, super fine flax / bast fiber from stem of flax plant / flax (linen) is an ancient textile fiber</p>	 <p>Sample N13 / linen yarn / 100% flax (linen) / natural cellulose fibers / simple, 4-ply yarn / courtesy of Louet North America www.louet.com / four strands as one</p>	 <p>Sample N14 / hemp yarn / 100% hemp / natural cellulose fibers / cord / bast fiber from stem of hemp plant / ancient textile fiber / similar to flax / illegal to grow but legal to sell in U.S.A. / each ply contains multiple plies</p>	 <p>Sample N15 / wool fiber / 100% wool / natural protein fibers / wool grown in color from Corriedale breed of sheep / requires no dyeing</p>



#N16 - N30 (Narrow Samples): Fibers, Yarns, and Narrow Fabrics

 <p>Sample N16 / Merino wool yarn 100% Merino wool / natural protein fibers / superwash / from Merino breed of sheep / courtesy of Louet North America, www.louet.com / washable wool</p>	 <p>Sample N17 / chlorine-free superwash wool yarn / 100% wool / natural protein fibers / worsted yarn / chlorine-free superwash / from sheep / courtesy of Schoeller Spinning Group www.schoeller-wool.com / very smooth / new technology eliminates chlorine, which causes environmental harm according to www.epa.gov</p>	 <p>Sample N18 / bouclé yarn 78% mohair / 13% wool / 9% nylon / natural protein fiber / synthetic fiber blend / bouclé (loop) yarn / mohair from Angora goats, wool from sheep / regular loops along length of yarn</p>	 <p>Sample N19 / angora yarn 100% angora / natural protein fibers / acid dyed / from Angora rabbits / acid dye a major dye class for wool, silk, and nylon</p>	 <p>Sample N20 / baby camel yarn 100% baby camel / natural protein fibers / simple, 3-ply yarn / from baby camels / three strands as one</p>
 <p>Sample N21 / cashmere yarn 100% cashmere / natural protein fibers / simple, 2-ply yarn / from cashmere goats / two strands as one</p>	 <p>Sample N22 / alpaca yarn 100% alpaca / natural protein fibers / woolen yarn / from alpaca, similar to llama, somewhat fuzzy</p>	 <p>Sample N23 / yak yarn 100% yak / natural protein fibers / from yak</p>	 <p>Sample N24 / silk fiber 100% silk / natural protein fibers / tussah silk, from wild silkworms, staple fibers</p>	 <p>Sample N25 / silk yarn 100% silk / natural protein fibers / cultivated silk, from domesticated silkworms, filament fibers</p>
 <p>Sample N26 / variegated rayon 100% rayon / dyed with more than one color along the length of the yarn / regenerated cellulose fibers, a.k.a. viscose / spiral yarn a.k.a. ombre a.k.a. space dyed yarn / rayon was the first manufactured fiber / spiral a.k.a. corkscrew yarn</p>	 <p>Sample N27 / rayon (from bamboo) yarn / 100% rayon (from bamboo) / regenerated cellulose fibers / rayon made from bamboo is chemically indistinguishable from rayon made from other sources of cellulose</p>	 <p>Sample N28 / TENCEL® lyocell fiber / 100% TENCEL® lyocell / regenerated cellulose fibers / made from fast-growing eucalyptus trees, TENCEL® is a registered trademark of Tencel Ltd.</p>	 <p>Sample N29 / TENCEL® lyocell yarn / 100% TENCEL® lyocell / regenerated cellulose fibers made from fast-growing eucalyptus trees, TENCEL® is a registered trademark of Tencel Ltd.</p>	 <p>Sample N30 / fishing line 100% nylon / synthetic fiber / monofilament yarn / generic nylon / nylon was the first synthetic fiber / fiber cross section = round / single filament constitutes the yarn</p>



#N31 - N45 (Narrow Samples): Fibers, Yarns, and Narrow Fabrics



Sample N31 / chenille yarn / 100% nylon / synthetic fibers / chenille yarn / nylon is highly resilient, thus a good choice for pile yarns / fuzzy yarn



Sample N32 / polyester resin / 100% polyester / synthetic fiber / polyester is the most widely used fiber overall / courtesy of DAK Americas www.dakamericas.com



Sample N33 / polyester staple fiber / 100% polyester / synthetic fibers / polyester filaments can be cut into staple (short) fibers to better mimic cotton / courtesy of DAK Americas www.dakamericas.com



Sample N34 / eyelash yarn / 100% polyester / synthetic fibers / eyelash yarn / generic polyester / fancy braided yarn



Sample N35 / acrylic yarn / 100% acrylic / synthetic fibers / generic acrylic / acrylic can imitate wool



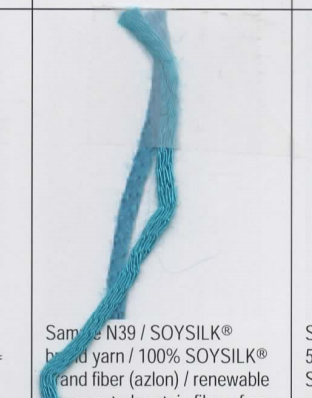
Sample N36 / elastic thread / 62% polyester/38% rubber / synthetic/elastomeric fiber blend / covered yarn / most rubber is synthetic / polyester over rubber



Sample N37 / lamé yarn / 64% viscose rayon/34% polyamide & metal composite / regenerated cellulose/synthetic/mineral (metallic) fiber blend / combination fiber blend / metallic yarn a.k.a. "metalized" yarn / different plies are different fibers / "metalized" yarn



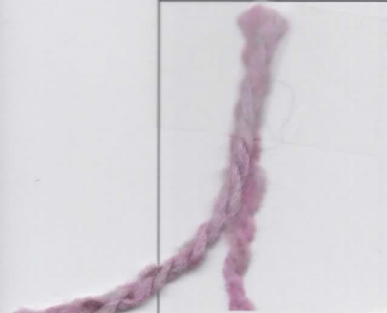
Sample N38 / A-MAIZing™ yarn / 100% corn fiber (PLA = polylactic acid) / renewable synthetic fibers / narrow knit yarn / narrow weft knit / from melt-spun fermented cornstarch / A-MAIZing™ is a trademark of SWTC Inc. www.soysilk.com / very narrow knit / circular/tube knit



Sample N39 / SOYSILK® brand yarn / 100% SOYSILK® brand fiber (azlon) / renewable regenerated protein fibers from naturally occurring protein / SOYSILK® is a registered trademark of SWTC Inc. www.soysilk.com



Sample N40 / SeaCell® yarn / 51% seaweed/29% merino wool/20% SeaCell® lyocell / natural/manufactured fiber blend blend of cellulose and seaweed / SeaCell® is a registered trademark of Smart Fiber AG www.seacell.com



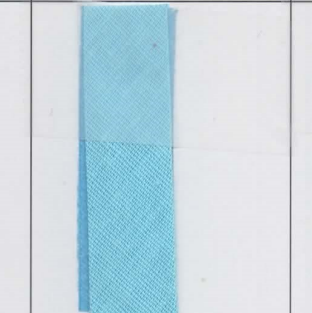
Sample N41 / tweed yarn / 80% wool/20% nylon / fancy single yarn with flecks of a different color a.k.a. flock, flake, fleck, or seed yarn



Sample N42 / ratiné yarn / 100% rayon / ratiné (loop) yarn / irregular loops along length of yarn



Sample N43 / spot yarn / 100% microfiber polyester / spot yarn a.k.a. knot, nub, or knop yarn



Sample N44 / bias-cut plain woven fabric



Sample N45 / crossgrain ribbon / 100% polyester / unbalanced heavyweight woven fabric / rounded rib / narrow fabric



The Textile KitTM

Sample # 34

Sample Name Duponttm Sorona

Fiber Content 100% triexta (PTT)

Main Features Polyester variant partially from
petrochemicals and partially from fermented feed corn

Other Notes Contains 37% renewably sourced
ingredients / Sorona® is a registered of Dupont /
Courtesy Hornwood inc. WWW.Hornwoodinc.com



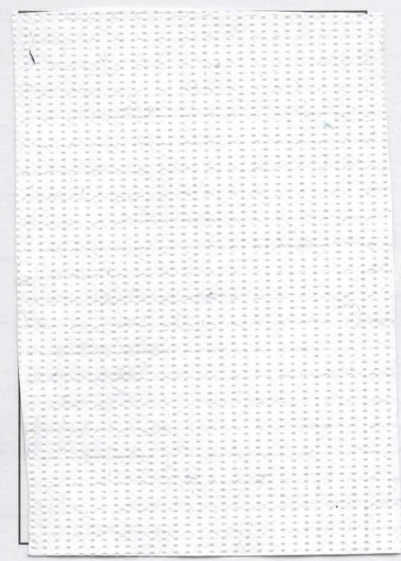
Sample # 35

Sample Name Duponttm Tyvek®

Fiber Content 100% Olefin

Main Features Synthetic Fibers

Other Notes Olefin is strong and lightweight / Tyvek®
is a registered trademark of DuPont / Courtesy of
DuPont Tyvek www.Tyvek.com



Sample # 36

Sample Name weed control fabric

Fiber Content 100% Olefin

Main Features Synthetic Fibers

Other Notes Generic olefin / olefin is a low
cost fiber



The Textile KitTM

Sample # 43

Sample Name Tweed Suiting

Fiber Content Wool blend

Main Features fancy single yarn with flecks
of different color

Other Notes tweed effect can be subtle



Sample # 44

Sample Name Ratiné suiting

Fiber Content Varies with sample

Main Features Ratiné (loop) yarns

Other Notes Irregular loops along length of yarn



Sample # 45

Sample Name Bouclé suiting

Fiber Content Mohair / wool / other fiber

Main Features Bouclé (loop) yarn

Other Notes Regular loops along length of yarn



The Textile KitTM

Sample # 55

Sample Name Crinkled gauze

Fiber Content 100% Cotton

Main Features Balanced low-count sheer

plain weave

Other Notes Spun yarns with low thread count,
example of "suspect fabric" regarding
flammability



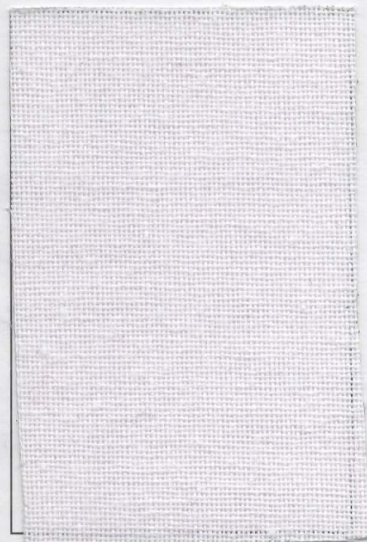
Sample # 56

Sample Name Crinoline

Fiber Content 100% cotton

Main Features Balanced sheer plain weave

Other Notes Spun yarns with low thread
count and stiff hand.



Sample # 57

Sample Name Percale

Fiber Content 60% combed cotton/40% polyester

Main Features Balanced midweight plain weave

Other Notes Percale has 180 or higher thread
count (usually 200 or higher)



The Textile KitTM

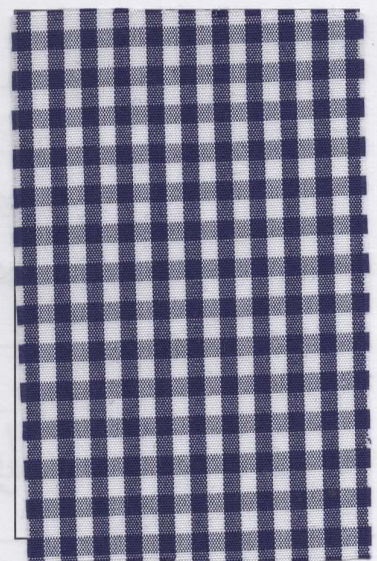
Sample # 58
Sample Name Calico
Fiber Content 100% cotton
Main Features Balanced midweight plain weave
Other Notes Calico is always printed



Sample # 59
Sample Name Flannette
Fiber Content 100% cotton
Main Features Balanced midweight plain weave
Other Notes Flannette has soft, napped surface



Sample # 60
Sample Name Gingham
Fiber Content 100% cotton
Main Features Balanced midweight plain weave
Other Notes Alternating white and colored yarns create woven check pattern



The Textile KitTM

Sample # 109

Sample Name Georgette

Fiber Content 100% Polyester

Main Features momie weave

Other Notes with high twist yarns



Sample # 110

Sample Name "True" double cloth

Fiber Content 100% wool

Main Features true double cloth

Other Notes Five sets of yarns



Sample # 111

Sample Name Mate Lassé

Fiber Content 100% Polyester

Main Features double weave

Other Notes Four sets of yarns



The Textile KitTM

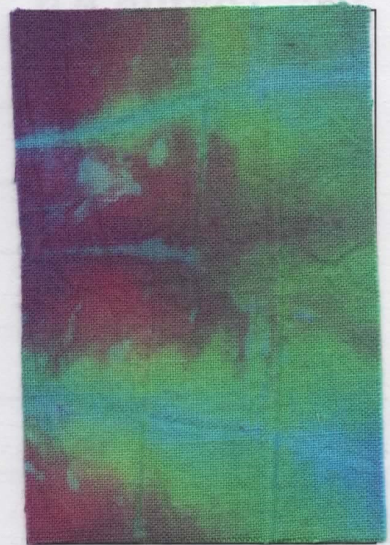
Sample # 178

Sample Name Tie dyed

Fiber Content 100%

Main Features Resist dyed

Other Notes Fabric resist dye where tied.



Sample # 179

Sample Name ikat

Fiber Content 100% cotton

Main Features Resist dyed

Other Notes Yarns are resist dyed before weaving



Sample # 180

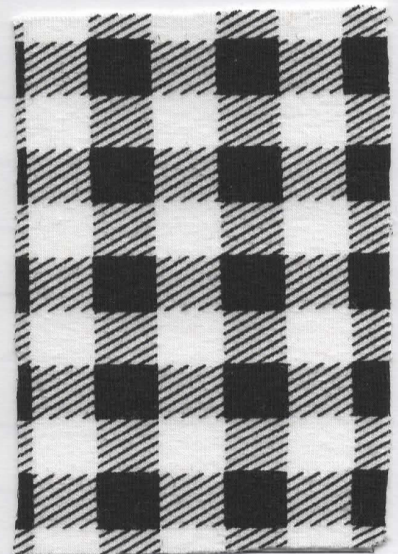
Sample Name Gingham print

Fiber Content Varies with sample

Main Features Print imitates yarn-dyed,

woven gingham

Other Notes Applied design vs. structural design



The Textile KitTM

Sample # 196

Sample Name Sold as plissé (a.k.a. imitation plissé)

Fiber Content 50% Polyester / 50% cotton

Main Features Embossed with heat

Other Notes Surface design added



Sample # 197

Sample Name Vintage plissé (a.k.a. "true" plissé)

Fiber Content 100% Cotton

Main Features Embossed with chemical

Other Notes Surface design added



Sample # 198

Sample Name Burnout

Fiber Content Varies with sample, but always at least two different fibers.

Main Features Burned out

Other Notes Sheer and opaque surface design

