

ABOUT US	01
ADHESIVE / GLUE.....	05
UNSATURATED POLYESTER RESIN.....	09
FABRICS / TEXTILE	15
PET AND ENGINEERING PLASTICS	27

ABOUT US



Established in 2009, Jheng Da Polymer Chemical Industrial Corp.'s objective is **Responsibility, Service, and Quality** since day one. We serve as a major distributor and an international trader of Industrial Chemical and Polymers for renowned Taiwanese brands. We built our business step by step with Unsaturated Resin, and our clientele goes across shipbuilding industry, engineering plastics, and construction industry in early days.

In recent times, Jheng Da Polymer have expanded our portfolio of products, from Adhesives, Nylon, Functional fabric, Carbon Fiber fabric, Tyre Cord Fabric, Yarns, EVA, Epoxy, PP, FRP, HDPE, LDPE, ABS, to Regrind materials, by working with Nan Ya, Formosa Taffeta, NanPao Hot melt Adhesive, Tainan Spinning, and many other prominent suppliers in Taiwan. The products we represent are with multiple certifications: such as ISO9001, ISO14001, ISO50001, DET NORSKE VERITAS certification, Eco Friendly adhesive certificated Green Labels, Oeko Tex Standard, OHSAS 18001, and TOSHMS.

We listen to our clients, standard products or customized, to find the right products for them with decent quality to meet different demands is our target. We care for our customers, providing the same high standard in our Customer Care and After Sales Service is our goal. Jheng Da Polymer Chemical is here at your service!

ADHESIVE / GLUE



JPC represents world leading adhesive manufacturers; we have comprehensive product combinations, advanced technology, solid quality and outstanding services. We aim to offer our customer the best solution at reasonable price range to make your business better!

APPLICATION	PART NUMBER	ITEM NAME	DESCRIPTION
TAPE AND LABEL	T-VP021	Solvent base acrylic	Solvent base PSA for tape
	HM-229	Hot melt	HM PSA for tape
	HM-212B	Hot melt	Label
CONSTRUCTION	3761	PVAc	PVAc wood working
	188	CR	No More Nail glue
	T-NP2012	WB Acrylic	PVC tile glue
	HM-550	Hot melt	carton sealing HM
WOOD WORKING	PUR-188	PUR	PUR for flat lamination
	HM-680M	Hot melt	HM for edge banding
NON-WOVEN	HM-823L	Hot melt	Construction for NW product
	HM-816	Hot melt	Positioning for NW product
	HM-8822	Hot melt	Elastic adhesive for NW product
TEXTILE	PUR-198 PUR-216 PUR-167	PUR PUR PUR	Fabric to Fabric/film Fabric to Fabric/film Fabric to foam



TAPE & LABEL

Hang Tags
Adhesive Tapes
Labeling

CONSTRUCTION

PVC tile glue
Grouting
Sealant
Waterproof

NON-WOVEN

Disposable-Hygienic
Feminine-Absorbent
Geriatric Diaper
Pet Pads

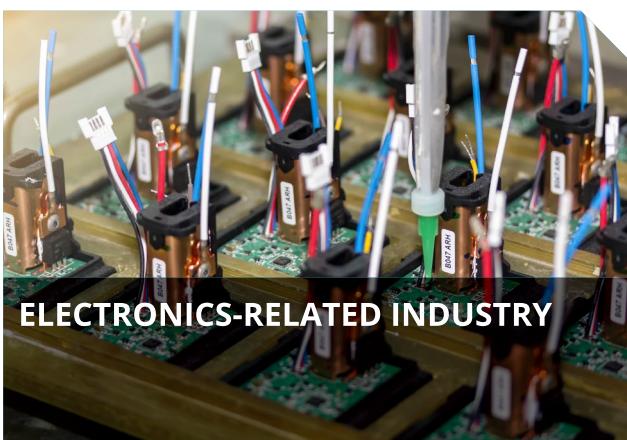
BOOKBINDING

Spine Glue
Slide Glue
Impermant glue

CONSUMER ELECTRONICS AND PERIPHERAL



PHOTOELECTRIC AND OPTICAL RELATED INDUSTRY



ELECTRONICS-RELATED INDUSTRY



AUTOMOBILE ELECTRONICS MANUFACTURING



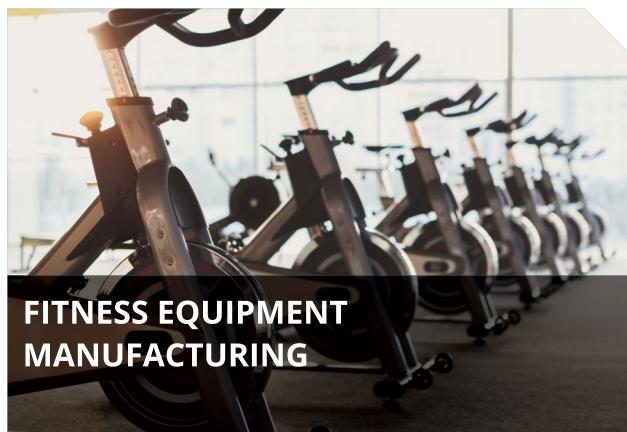
TEXTILE

Fabric to Fabric
Fabric to Foam
Matress

WOOD WORKING

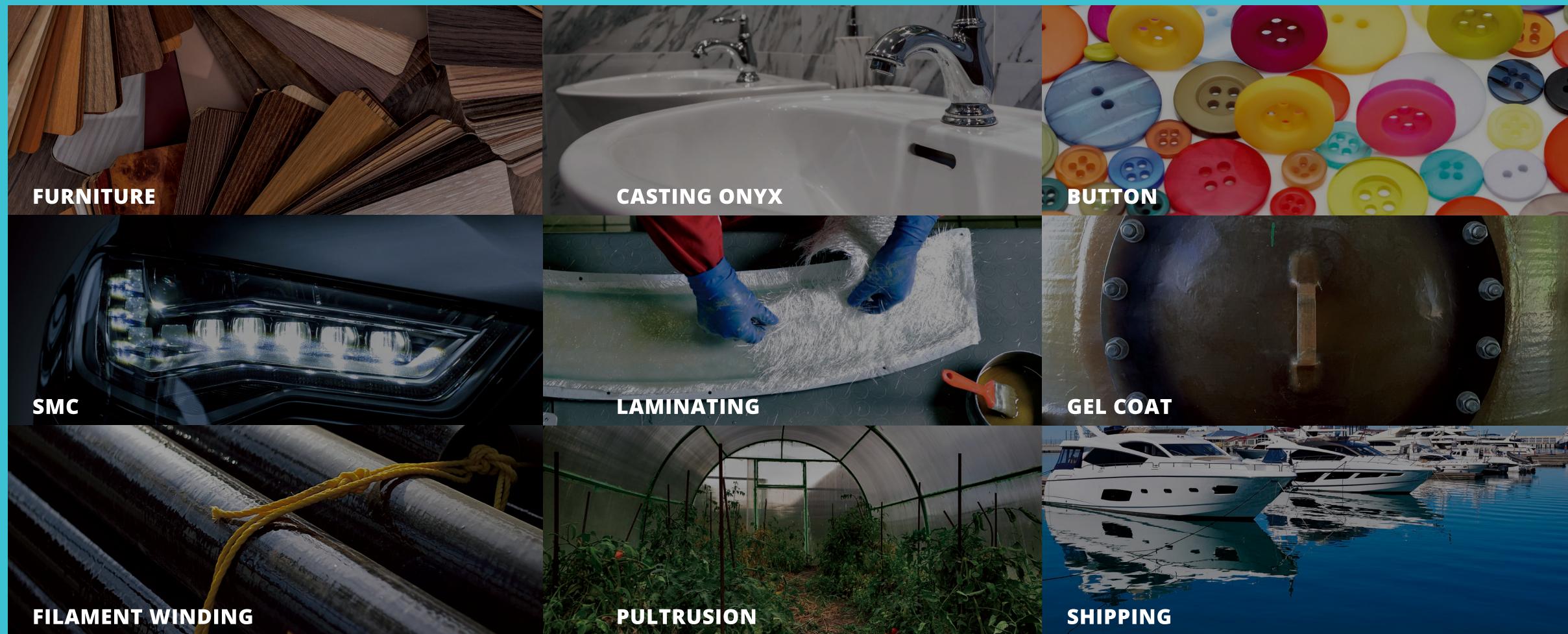
Lamination
Edge-bonding
Plywood

MEDICAL APPLIANCE MANUFACTURING



FITNESS EQUIPMENT MANUFACTURING

UNSATURATED POLYESTER RESIN



UNSATURATED POLYESTER RESIN

- BUTTON (B Series)
- CASTING (C Series)
- FURNITURE (F Series)
- GEL COAT (G Series)
- LAMINATING (L Series)
- SMC (M Series)
- SHIPPING (S Series)
- PULTRUSION (PT Series)
- Filament Winding

BUTTON (B SERIES)

GRADE	CHARACTERISTICS	APPLICATION
B3A01		For centrifugal button fast cure
B4101		For centrifugal button
B4201	Excellent compatibility with pearl and show gloss, easy to drill and dye.	For Rod maker button
B4301		For centrifugal button
B5101		For Perma button
B6101		Soft grade

資料來源：南亞

CASTING-ONYX (C2 SERIES)

GRADE	CHARACTERISTICS	APPLICATION
C2P01		
C2P04		
C2Q01	Excellent wet-out properties. Higher filler content, good mechanical properties.	Artificial marble & onyx, and vanity top
C2Q02		

資料來源：南亞

CASTING (C3 SERIES)

GRADE	CHARACTERISTICS	APPLICATION
C3G01		
C3G02	• With high or medium reactivity. • Possess good transparency, low shrinkage, non-cracking, easy defoaming, and excellent wet-out properties.	For medium & large size casting statue
C3A01		
C3A02		For medium & small size casting statue

資料來源：南亞

FURNITURE (F SERIES)

GRADE	CHARACTERISTICS	APPLICATION
F3401		
F3601		
F5401		
F5601		
F7401		
F7601		
FA000		
FA001	• With high reactivity • Good extensibility for fabrication, excellent gloss and lightness.	For PET film to be molded on polyester plywood.
FA002		
FA003		
FA400		
FA401		
FA402		
FA403		
FA601		
FA602		

資料來源：南亞

GEL COAT (G SERIES)

GRADE	CHARACTERISTICS	APPLICATION
GC101		
GC202		
GC203	• With high or medium reactivity. • Excellent compatibility with pigment and show gloss.	
GC204	• The chemical resistance and water resistance: GC1 is excellent, GC2 is next, others are GC5, GC6 and GC7.	For exterior application of ship and FRP products
GC503		
GC603		
GC703		

資料來源：南亞

LAMINATING (L SERIES)

UNSATURATED POLYESTER RESIN

GRADE	CHARACTERISTICS	APPLICATION
L3A1H		
L311H		
L3B1K		
L321K		
L3B1Q		
L321Q		
L3C02		
L3C05		
L4B01		
L4203	<ul style="list-style-type: none"> With high or medium reactivity. Excellent non-sagging and wet out properties, the products show excellent mechanical properties. 	For hand lay-up and spray-up open mold fabrication.
L4B02		
L4204		
L4B06		
L4206		
L4B07		
L4207		
L4B10		
L4210		
L7S12		
L4Y05		
L4705		
L4Y06	<ul style="list-style-type: none"> With medium reactivity. Excellent non-sagging and wet out properties, the products show excellent mechanical properties. 	For hand lay-up and spray-up open mold fabrication.
L4706		
L4Y16		

資料來源：南亞

SMC (M SERIES)

GRADE	CHARACTERISTICS	APPLICATION
M5F01	<ul style="list-style-type: none"> High reactivity. Low Shrinkage, good mechanical properties, moldability, paintability and pigmentability 	General purpose
M5S01		For water-resistant sanitary ware application
M5G01	Ortho type	General purpose
M5D01	High reactivity	Class A surface
M5A03	ISO-NPG type	For water-resistant
M5C01	ISO-Type low shrinkage	Automotive grade

資料來源：南亞

SHIPPING (S SERIES)

GRADE	CHARACTERISTICS	APPLICATION
S3B01		
S4B01	<ul style="list-style-type: none"> With medium or low reactivity. High impact, low Shrinkage and excellent wet-out properties. 	
S5E01	<ul style="list-style-type: none"> Approved by DNV Register of Shipping 	For fishing boat, yachts
R5E01	ISO type (Laminating)	
R4E01		
R3F01	ISO type (Vacuum bag)	

資料來源：南亞

PULTRUSION (PT SERIES)

GRADE	CHARACTERISTICS	APPLICATION
P5A01	ISO type, excellent mechanical properties, soft & good toughness	
P5B01	Ortho type, excellent wet-out properties, good gloss	For Pultrusion application
V1A01	Vinyl ester resin, resistant to a wide range of acids & bases, good toughness	

資料來源：南亞

FILAMENT WINDING

GRADE	CHARACTERISTICS	APPLICATION
GC208	ISO type, excellent mechanical properties, resistant to acids & bases	
GC708	Ortho type, easy of processing	Pipes, Tanks
V1A03	Vinyl ester resin, superior acids & bases resistance, excellent toughness	

資料來源：南亞

UNSATURATED POLYESTER RESIN

FABRICS / TEXTILE



CARBON FABRICS

The fiber specification:

- Carbon fiber: density 1.80g/cm³, good adhesion with resin, higher specific strength, higher specific modulus, good heat and electric conductive, electromagnetic interference(EMI), and allow penetration of X-ray.
- Fiberglass: density 2.54g/cm³, cheaper, high impact, and electric insulation.
- Kevlar: damp proof, sturdy, high impact resistance, and low density (1.44g/cm³).
- HDP (High strength polymer fiber): low density (1.35g/cm³), multiple colors at your disposal, affordable pricing.

The application of carbon fabric:

- Industry: Robot parts, civil reinforce, wind blade, medical bed, and high-speed train coaches.
- Ship: Hull structure, Ship parts, Yacht.
- Consumer electronics: Laptop and mobile phone device cases.
- Sporting goods: Bicycle parts, shoes, hockey, and skating parts.

資料來源：福懋

FUNCTIONAL FABRICS

Furnishing textiles, including curtains, curtain lining, shower curtains, sheets, seat covers, table cloths, and base fabric for towels. These textiles blends or interweave with cotton, polyamide, and polyester. They are characterized by their light resistant, down-proof, waterproof, water repellent, stain release, mold resistant, deodorizing, bacteria resistance and flame retardant qualities. Style and appearance can be altered to accommodate popular fashion trends by adding two-tone, melange, dobby, printing, and finishing. Our unique fabric provides you a more aesthetic and pleasant feeling to your home environment.

HIGH-TECH HOME-TEXTILE

This is 100% polyester containing phosphorous molecules. A permanent flame retardant is given by the phosphorous within the frame work of the polymer. It is directly linked into the polymer chain and cannot be moved. The textile of such kind will not produce heavy smoke or poisonous fumes when burned, and if the source of the fire is removed, this fabric will be self-extinguishing. It is light resistant and has almost no shrinkage or wrinkles because of its high dimensional stability. It has a high stain resistance, easy to take care and rapid drying qualities. Its wide application is adopted in home textiles, office chair covers, baby's cradle fabric, wall fabric, artificial flowers, and soft toy stuffing. Furthermore, it is also vastly used in hotels, restaurants, karaoke, hospitals, conference halls, theaters, cinemas, ships, airplanes, and cars. This textile has been approved or already met by most of the important international safety standards. We would like to supply all kinds of flame retardant upholstery fabric, such as: woven, knitted, laminated, tricot for lining, or curtain fabric.

It can also be paper printed, embossed, and calendered. In order to increase its value. We would also be glad to provide flame-retardant yarns as listed below: Fire-Retardant Spun Yarn (10's~40's), textured yarn.

資料來源：福懋



SAFETY & LIFE FABRIC

Fire emergencies cannot be predicted. When a fire ignites, occupants may only have a few minutes to evacuate. However, with NOMEX flame retardant fabric, valuable seconds can be gained, possibly providing the difference between life and death.

NOMAX

Using Meta aromatic polyamide, we work with Du Pont to manufacture NOMEX textile. The supply of knitted and woven textile is in accordance with the following:

- **Staple Yarn:**

The staple yarn is mainly 30's/2 or 40's/2 and there are two kinds. The first is 100% NOMEX and the second is NOMEX blended with flame retardant rayon.

- **Filament Yarn:**

FOY, is mainly 200 denier. The above is suitable for sewing thread, magic tape, protective clothing, and is also treated as yarn-dyed, dyeable yarn, or printable fabric.

- **Staple or Filament Fabrics:**

The fabric finishes are water repellent, softening, moisture absorbable, dyeing and printing. It is available in silver coating, aluminum laminated, anti-static, anti-NIR (Near Infra-Red detection) and others. The fabric is used predominantly to protect the body against fire and other hazards, in particular to boiler suits, oil refining working suits, lab coats, kitchen clothes, police and army uniforms, tank personnel suits, flying suits, fire-fighting clothes, and motor-racing wear. Industrial usages include: safety equipment (curtains, gloves, and aprons), damper fabric, as a base fabric for industry, filter bags, diaphragm and iron board cover.

- **Properties of NOMEX:**

1. The fiber has inherent and permanent flame resistance and it will not wear out easily by washing or exposure to the sun.
2. The fiber has extremely low heat conductivity making it an excellent flame retardant, and it will not burst into flames when exposed to heat.
3. The fiber will self-extinguish and, because of its carbonization property, will not melt.
4. The fiber has low abrasion with tear resistance, and is chemical resistant.
5. Can be washed at high temperature up to 95°C or dry cleaned, easy grease or soil removal.



NOMEX — BLAZOUT

We design with Du Pont to adopt Nomex III A materials to manufacture apparels & textiles.

Features:

- Inherent and permanent flame resistance
- Self-extinguishing, does not melt or drip
- Does not break-open
- Low heat conductivity
- High tenacity, low weight
- Can be washed at 95°C or dry-cleaned
- Easy removal of grease and soil
- Excellent chemical resistance

Applications:

- Personal Protective Clothes
- Racing-Car Wear
- Fire Suits
- Fire Clothes
- Tank Suits
- Lab Gowns
- Boiler Suits



ANTI-STATIC FUNCTIONAL FABRIC

NEGA-STAT

Our anti-static woven fabrics are made of special polyester filament yarns combined with Du Pont's state of-the-art conductive NEGA-STAT®.

NEGA-STAT® is a multi-filament, bi-component conductive yarn. Each yarn contains a tribal shaped cross section carbon core. The core is an electrically conductive and black compound carbon and is entirely surrounded by a sheath of Du Pont's Dacron® polyester material. This, along with our special warping, weaving, dyeing and finishing processes, assures the electrostatic discharge effect of the anti-static fabric.

The Dacron® polyester sheath naturally provides a protective film preventing impairment of the conductive function at the sterile room wear laundry, and prevent the particle generation at the workplace.

Our anti-static fabric also can be additionally treated with functional finishing, such as high durability to washing, soft finish, excellent resistance to chemicals, water repellency, water proof, and fast drying. The Dacron® sheath and these finishes ensure all the functions thru the anti-static fabric's entire life-span.

Properties:

- Excellent electrostatic discharge effect: protects both precision products and wearers.
- High filtration efficiency: the particle barrier capability prevents the unwanted particles.
- High air-permeability and high vapor permeability: allows the release of vapors but prevents the release of particles.
- Soft to handle, comfortable to wear.
- High durability to wash and low particle generation: can withstand more than 50 washes by specialized clean room wear laundry.
- Excellent resistance to chemicals.
- Can be treated with functional finishing, such as water repellency, water proofing, bacteria resistance, softening finishing, and etc.

Applications:

- Microelectronics and communication industry (clean room wear).
- Health care (blood-proof during operations for doctors, patients, and as surgical utility fabric.)
- Spray shops (coveralls for spray painting workers).
- Pharmaceutical industry and food industry (sterile room wear).
- Petrochemical and gas industry (safety clothing which is chemical resistant and prevents spark explosions).
- Gun-powder, dynamite and defense industry material (prevent explosion caused by static spark).
- Other micro-precision industries (prevents unwanted particle movement).



資料來源：福懋

SPORTS & CASUAL

We are always keen to find suitable fabrics for casual wear, sportswear, ski wear, windbreakers, and industrial work wear.

Available in taffeta, satin, oxford, both-side, gingham, yarn dyed, metallic shine, interweave, melange, calendaring, emboss, dobby, sheer-sucker, mat weave, rib, fancy rib, and tropical rainbow color. Important characteristics of this type of cloth are its durable water repellency, waterproof, oil repellent, stain release, down proof, anti-tack, wind-breaking, high tearing strength, wrinkle-proof, soft finishing, wax-like, foam coating, sun protection treatment, waterproof with moisture permeable, warmth, golden or silver coating, pearl coating, color added for sliver coating, opal printing, discharge printing, stretchable, peach skin, suede-like, thermal resistant and flame retardant, abrasion resistant Kevlar fabric, crease resist finishing, preshrunk finishing and anti-static (for clothing used in the electronic and oil refining industries.)

Special Offer:

- **Tactel and Supplex Effect:**

A light weight and comfortable fabric produced by fine nylon 66 from Du Pont. It has excellent resistance to wind and water, and is moisture permeable, durable, abrasion resistant, color-fastness and easy to take care. This type of material is essential for any winter active sportswear. In combination with Lycra, it will provide the perfect fit for summer active sportswear, beach wear, and surf wear.

- **Duosix:**

This fabric is 100% nylon, produced from nylon 66 yarn. It has a variety of uses but is particularly appropriate for à la mode casual wear and sportswear.

- **Teflon:**

Teflon is a water repellent agent supplied by Du Pont. It is excellent for rain or oil repellence and it is both durable and stain resistant making it ideal for rain coats, long coats, jackets, ski-wear, garments and home textile fabrics.

- **Abletex:**

Abletex fabric is highly moisture permeable with waterproof. It is very suitable for all kinds of outdoor wear in particular ski, marine, and sportswear.

- **Micromattiqu:**

This is a type of microfiber from Du Pont. Characterized by its extra soft touch texture, allowing for user comfort. Naturally moisture permeable, it requires no coating. It has special uses for ladies and children clothes.

- **Microfeel:**

This microfiber can be classified as either a direct spinning type or a separation type. The finest filament available is the 0.1 denier. It has an extra soft touch, and is moisture permeable with water proof requiring no coating. The peach-skin feeling or suede like touch is excellent for ladies favorite clothing.

資料來源：福懋



LADY'S & GENTLEMAN'S FASHION FABRIC

LYCRA

An American Du Pont trademark, this core spun yarn has excellent elastic characteristics and is extremely suitable for tight clothes, such as aerobatic wears, casual outfit, yoga clothes, leisure clothes, bicycle and indoor exercise clothes, beach wear, and anything that requires second-skin feeling.

COOLING DOWN FIBER YARN

Normally, when we touch any clothing material and have a "cool" feeling, it is due to the humidity in the fiber itself. Because the normal water has lower temperature comparing to human body, we will feel the Coolness.

This fiber uses the special characteristics of jade to bring the fiber a better cool feeling. This material requires relatively higher energy to turn warm comparing to normal fiber in the market. We extended its patented technology of cell-shell structure in manufacturing functional particles. Integrating this fiber with multi-open-cell material to produce the fabrics that will offset heat and enhance the water absorption by taking advantages of the special-shaped structure to wick the moisture away. Thus, sweats can be released rapidly.

資料來源：福懋



TYRE CORD FABRIC

We represent tire cord, chafer, and conveyor ducks. Our tyre cord plant is a renowned manufacturer in the world with the capacity of 4,300 tons per month. The main processes are twisting, weaving, dipping and packing. We use the latest machinery and experiment equipment from Germany, France, Switzerland and Japan to strictly ensure its product quality. Our products have been promoted to the world-renowned tyre manufacturers in Asia-pacific and other areas, ISO certified, and have reliable quality to our customers.

MAIN PRODUCT	MAIN USAGE	RAW MATERIAL	PRODUCT ITEMS
Tyre Cord	Fabrics Tyre cord fabrics for bicycles, motorcycles, passenger cars,trucks, mobile cranes.	nylon 6	105D/1, 210D/1, 420D/1, 630D/1, 840D/1, D/2, 1260D/1, D/2, D/3, 1680D/2, 1890D/2
		nylon 66	210D/1, 420D/1, 840D/1, D/2, 1260D/1, D/2, D/3, 1680D/2, 1890D/2
		polyester (HMLS-TYPE)	1000D/2, 1000D/3, 1300D/2, 1500D/2, 2000D/2
Chafer Fabrics	Chafers for tyre-lips	nylon 6	Multi 420D/1, 840D/1, 1260D/1 Mono 420D/1, Mono Multi 420D/1
		nylon 66	Mono 420D/1, Mono Multi 420D/1
Anti-Puncture Fabric	Anti-puncture Fabric for high grade bicycle tyre	ARAMID	K1, K3
Conveyor Ducks	Lining canvas or ducks for conveyor belts	NN	100,150,200,250,300,400
		EP	100,150,200,250,300,400
		TN	135,225,250,300

資料來源：福懋



YARNS

Including the touch of cotton and the characteristic of filament, high anti-wrinkle effect, and good outcome for hanging performance. Can have different performance if collocating with different characteristic core yarns.

POLYESTER FIBER

Polyethylene terephthalate fiber with characteristics of good processing performance when mixing with other fiber, resistance to crushing, great thermal stability, photo stability, chemical stability. Can be used in spinning, non-wove and stuff staple fibers, and etc. Applications can be categorized into SD, BR, FD, CD, exceptional functional products, and any Customized products.

POLYESTER FILAMENT YARN

Polyethylene terephthalate Partial Oriented Yarn. Applications can be categorized into SD, BR, FD, CD, wide variety of products, exceptional functional products, and any Customized production. Can be used in draw textured yarn plant, and has a huge variety of application.

DRAW TEXTURE YARN

Polyethylene Terephthalate Draw Textured Yarn. Applications can be categorized into SD, BR, FD, CD, wide variety of products, exceptional functional products, and any customized production. Can be used in knitting, Woven and a good variety of application.

資料來源：台南紡織



PET AND ENGINEERING PLASTICS



- Polyethylene terephthalate chips. Applications can be categorized into SD, BR, FD, CD, wide variety of products, Exceptional functional products and any customized production. Can be used in draw textured yarn plant and variety of application.
- Polyethylene terephthalate. The Polyester Chip Bottle Grade we represent is broadly used in the application of PET bottle (Mineral Water Bottle, Aseptic-Filling Bottle, Carbonated Soft Drink Bottle, Edible Oil and Soy Souse Bottle), PET Sheet (A-PET), PET shrinkable film, Food Utensils Containers and Packages, and etc.

CATEGORY	SPECIFICATION
For Textiles	BR, SD, FD / CATIONIC DYEABLE(CD) / Copolyester
Bottle Grade IV=0.76, 0.80, 0.84, 0.88	Mineral Water Bottle / Aseptic-Filling Bottle / PET Sheet(A-PET) jar / Food Container / Oil and Condiment Bottle / Carbonated Soft Drink Bottle

資料來源：台南紡織

PBT

GRADE	CHARACTERISTICS	APPLICATION
GENERAL PURPOSE 1100	Low viscosity, I.V. value 0.85 Meet FDA requirement	Extrusion, spinning, injection molding for thick or small parts.
GLASS-FIBER REINFORCED 1210G3	15% glass fiber reinforced, with high rigidity, high HDT and excellent electrical properties	Injection molding for automobile, electrical and electronic parts. For example, tube lighter base, lamp socket, head lamp housing, speaker housing, distributor cap and adaptor, door handle, fan housing, switch, reflector, back mirror stay, carburetor, electrical junction box, pump housing, etc.
GLASS-FIBER REINFORCED 1210G6	30% glass fiber reinforced, with high rigidity, high HDT and excellent electrical properties	Injection molding for automobile, electrical and electronic parts. For example, tube lighter base, lamp socket, head lamp housing, speaker housing, distributor cap and adaptor, door handle, fan housing, switch, reflector, back mirror stay, carburetor, electrical junction box, pump housing, etc.
FLAME RETARDED, UNREINFORCED 1300	UL 94V-0, General grade	Connector, socket, switch, terminal block, etc.
FLAME RETARDED, GLASS-FIBER REINFORCED 1403G3	UL 94V-0, 15% glass-fiber reinforced with higher HDT	For electrical/electronic applications with flame retardant, excellent mechanical and electrical properties, good dimensional stability and high heat resistance. For example, bobbin, switch, socket, relay block, capacitor housing, terminal block, connector, lamp socket, lamp housing, OA fan frame and impeller, glue gun housing, heater fan housing, breaker cover, etc.
FLAME RETARDED, GLASS-FIBER REINFORCED 1403G6	UL 94V-0, 30% glass-fiber reinforced with higher HDT	
FLAME RETARDED, GLASS-FIBER REINFORCED 1410G3	UL 94V, 3.2mm V-0, 15%, glass-fiber reinforced	
FLAME RETARDED, GLASS-FIBER REINFORCED 1410G6	UL 94V, 3.2mm V-0, 30%, glass-fiber reinforced	
FLAME RETARDED, GLASS-FIBER REINFORCED 140PG3	UL 94 V-0, Nonhalogenated, 15% glass-fiber reinforced	
FLAME RETARDED, GLASS-FIBER REINFORCED 140PG6	UL 94 V-0, Nonhalogenated, 30% glass-fiber reinforced	
FLAME RETARDED, GLASS-FIBER REINFORCED 1408G6	UL 94, 0.4mm V-0, 30%, glass-fiber reinforced	

資料來源：南亞

NYLON 6

GRADE	CHARACTERISTICS	APPLICATION
GENERAL PURPOSE 2100	Low viscosity	Extrusion, spinning, injection molding for thick or small parts.
GENERAL PURPOSE 2110	Standard type	For general purpose injection molding applications which require high mechanical strength. For example, gear, housing, socket for electrical goods, etc.
GLASS-FIBER REINFORCED 2210G3	15% glass-fiber reinforced with high stiffness, high HDT and high mechanical strength	For high mechanical strength required applications. For example, speed metering housing, head of hair dryer, etc.
GLASS-FIBER REINFORCED 2210G6	30% glass-fiber reinforced with high stiffness, high HDT and high mechanical strength	For high mechanical strength required applications. For example, brake lever of bicycle, breaker, yoke, hand tools housing, etc.
GLASS-FIBER REINFORCED 2210G9	45% glass-fiber reinforced with high stiffness, high HDT and high mechanical strength	For high mechanical strength required applications. For example, fishing reel, racket frame, etc.
GLASS-FIBER REINFORCED 2212G4	20% glass-fiber reinforced with high stiffness and high toughness	For both high stiffness and toughness required applications. For example, brake lever of bicycle, road roller frame, wheel frame, etc.
MINERAL REINFORCED 2200M6	30% mineral reinforced	For low warpage, good surface required applications. For example, heater housing, fan housing, etc.
FLAME RETARDED, GLASS-FIBER REINFORCED 2310	UL 94 V-0, Nonhalogenated	Connector, relay block.
SUPER TOUGHNESS 2512	Outstanding impact strength, fast cycle	For high impact strength applications. For example, brake lever of bicycle, toe-clip, sporting goods, etc.

資料來源：南亞

GRADE	CHARACTERISTICS	APPLICATION
THERMAL RESISTANCE 3117	High mechanical strength, good surface heat resistance, FDA.	Electrical housing.
GLASS-FIBER REINFORCED 3210G4	20% glass fiber reinforced, with high mechanical strength, low shrinkage, and heat, creep resistance	Pump and controller housing, household electrical and electronic parts. For example, fan housing and blade, pump housing, valve frame, sockets, etc.
GLASS-FIBER REINFORCED 3210G6	30% glass fiber reinforced, with high mechanical strength, low shrinkage, and heat, creep resistance	Yarn dye tube, pump and controller housing, household electrical and electronic parts, For example, fan housing and blade, pump housing, valve frame , sockets, etc.
MINERALS REINFORCED 3210T4		Automotive parts, for example, lamp housing, conditioner fan, air-duct, distributor cap, Instrument panel, parts housing, trims, etc. Household electrical and electronic parts.
MINERALS REINFORCED 3210T6	Talc reinforced, high mechanical strength, same Biaxial shrinkage, good surface heat resistance, and stable dimensions	For example, lamp housing and base, machine housing, trims, etc.
MINERALS REINFORCED 3210T8		
MINERALS REINFORCED 3219M3	15% minerals reinforced	Electrical housing.
MINERALS REINFORCED 3219M5	25% minerals reinforced FDA glossy, low warpage	Electrical housing.
FLAME RETARDED, UNREINFORCED 3307	UL 94 V-0, Low specific gravity	Christmas lamp parts.
FLAME RETARDED, UNREINFORCED 3317	UL 94 V-0, General grade	Flame retarded demand for household and automotive parts. For example, insulator.
FLAME RETARDED, GLASS-FIBER REINFORCED 3410G6	UL 94 V-0, 30% glass-fiber reinforce	Electrical housing.

資料來源：南亞

GRADE	CHARACTERISTICS	APPLICATION
GLASS-FIBER REINFORCED 5210G2	10% glass fiber reinforced	
GLASS-FIBER REINFORCED 5210G4	20% glass fiber reinforced	Housing, case and base for electronics. For example, power tools, power supply, etc. Camera shaft, valve frame, sockets, etc.
GLASS-FIBER REINFORCED 5210G6	30% glass fiber reinforced	
FLAME RETARDED, UNREINFORCED 5310	UL 94 V-0	Frame retarded demand for household and electronics parts. For example, lamp base.
FLAME RETARDED, UNREINFORCED 531P	UL 94 V-0, Nonhalogenated	Frame retarded demand for household and electronics parts. For example, lamp base.
FLAME REGARDED, GLASS-FIBER REINFORCED 540PG2	10% glass fiber reinforced, UL 94 V-0, Nonhalogenated	
FLAME REGARDED, GLASS-FIBER REINFORCED 540PG4	20% glass fiber reinforced, UL 94 V-0, Nonhalogenated	
FLAME REGARDED, GLASS-FIBER REINFORCED 5400G2	10% glass fiber reinforced, UL 94 V-0	Housing, case, and parts for electronics. Also need UL 94 V-O. For example, power tools, power supply, printer, optics and OA machine, etc.
FLAME REGARDED, GLASS-FIBER REINFORCED 5400G4	20% glass fiber reinforced, UL 94 V-0	
FLAME REGARDED, GLASS-FIBER REINFORCED 5400G6	30% glass fiber reinforced, UL 94 V-0	
PC ALLOY 5502	PC/PBT alloy, Outstanding impact strength, low temperature impact.	Super toughness applications. For example, automotive bumper, skate, housings, and safety helmet, etc.
PC ALLOY 5512	PC/PET alloy, Outstanding impact strength, low temperature impact.	
PC ALLOY 5612	PC/ABS alloy, Outstanding impact strength.	Electrical housing.
PC ALLOY 571P	PC/ABS alloy, Outstanding impact strength UL 94 V-0, Nonhalogenated	Electrical housing.

資料來源：南亞

GRADE	CHARACTERISTICS	APPLICATION
GLASS-FIBER REINFORCED 4210G3	15% glass fiber reinforced, with high strength, good balance on rigidity and impact strength.	Relay base, vacuum pump housing, car louver frame, ignition parts, gear, carburetor parts, lamp base, antenna case, etc.
GLASS-FIBER REINFORCED 4210G6	30% glass fiber reinforced, with high strength, good balance on rigidity and impact strength.	
FLAME RETARDED, GLASS-FIBER REINFORCED 4410G3	UL 94V-0, Non-blooming 15% glass-fiber/mineral reinforced, with high HDT.	For electrical/electronic and automobile applications. For example, connector, bobbin, pump housing, sandwich toaster, iron plate, lamp housing, diesel filter, glue gun housing, car distributor body, head lamp housing, ignition parts, carburetor body, etc.
FLAME RETARDED, GLASS-FIBER REINFORCED 4410G6	UL 94V-0, Non-blooming 30% glass-fiber/mineral reinforced, with high HDT.	

資料來源：南亞

NYLON 6/6

GRADE	CHARACTERISTICS	APPLICATION
GLASS-FIBER REINFORCED 6210G3	15% glass-fiber reinforced	For high mechanical strength required applications. For example, breaker, bobbin, case of electrical equipment, etc.
GLASS-FIBER REINFORCED 6210GC	33% glass-fiber reinforced	
GLASS-FIBER REINFORCED 6212G3	15% glass-fiber reinforced with high stiffness and high toughness	For both high stiffness and toughness required applications. For example, road roller frame, wheel frame, etc.
GLASS-FIBER REINFORCED 6212GC	33% glass-fiber reinforced with high stiffness and high toughness	
MINERAL REINFORCED 6210M5	25% mineral reinforced	For low warpage, good surface required applications. For example, housing of heater or fog light, wheel cover, etc.
FLAME RETARDED, UNREINFORCED 6310	UL 94 V-0, Nonhalogenated	For electrical/ electronic applications. For example, terminal block, connector, etc.
FLAME RETARDED, GLASS-FIBER UNREINFORCED 6410G3	15% glass-fiber reinforced, UL 94V-0	For electrical/ electronic applications. For example, terminal block, connector, breaker, relay, etc.
FLAME RETARDED, GLASS-FIBER UNREINFORCED 6410G5	25% glass-fiber reinforced, UL 94V-0	
FLAME RETARDED, GLASS-FIBER UNREINFORCED 640PG3	15% glass-fiber reinforced, UL 94 V-0, Nonhalogenated	
FLAME RETARDED, GLASS-FIBER UNREINFORCED 640PG5	25% glass-fiber reinforced, UL 94 V-0, Nonhalogenated	
SUPER TOUGHNESS 6512	High impact resistance	For high toughness applications, For example, parts of tennis or racket, sporting goods, etc.

資料來源：南亞

OTHERS:
EVA, HDPE, LDPE, ABS, Eco-friendly Regrind Materials, and etc.