GLOSSARY

Acetate Cloth
It offers excellent conformability in coil wrapping applications up to 105°C. Acetate cloth tapes also offer excellent absorption of resins and varnishes. Printable.

Acrylic
It is a useful, clear plastic that resembles glass, but has properties that make it superior to glass in many ways. It is lighter, many times stronger than glass, making it much more impact resistant and therefore safer than glass. Acrylic also insulate better than glass and it is easier to work on.

Aramid
Aramid fibers are a class of heat-resistant and strong synthetic fibers. They are used in aerospace and military applications, for ballistic rated. Body armor fabric and ballistic composites, in bicycle tires, and as an asbestos substitute.

Bakelite
An early form of plastic developed in the early 1900 by Leo Baekeland. It is used for its electrically non-conductive and heat-resistant properties in radio, telephone casings and electrical insulators.

Butyl Rubber
A synthetic rubber having excellent impermeability and good flex properties.

Cellophane
A thin, transparent sheet made of regenerated cellulose. Its low permeability to air, oils, greases and bacteria makes it useful for food packaging.

Cellulose
An organic compound obtained from wood pulp and cotton. It is mainly used to produce paperboard and paper; to a smaller extent it is converted into a wide variety of derivate products such as cellophane and rayon.

Closed Cell Foam
Closed cell foam is a plastic that contains foam cells which are sealed, or "closed" and packed together. This foam is very dense and has high compressive strength. Because the cells are not broken in this foam and gas and liquid molecules do not freely travel from cell to cell, when exposed to heated gas the cells expand, filling the material and making closed cell foam an excellent heat insulator.

Crepe Paper
Paper made from paper pulp. It is tissue paper that has been coated with sizing and then "creped" to create gathers. Sizing is a material such as glue, gelatin, gum, or starch, added to paper pulp or cloth to add sheen and stiffness, among other things. This gives crepe paper a distinct texture and feel, and one quite different from untreated tissue paper.

Diamond Dotted Paper
Made of kraft paper coated with heat curable epoxy resin. The epoxy adhesive is applied to both sides of the paper in a diamond pattern. It is used in oil immersed transformers, for coil insulation.

EPDM
EPDM (Ethylene Propylene Diene Monomer) is a type of synthetic rubber.

EVA Foam
EVA Foam has good clarity and gloss, barrier properties, low temperature toughness, stress-crack resistance, hot-melt adhesive, water proof properties and resistance to UV radiation. It is used in many electrical applications as well as padding in equipment for various sports because of it is light weight, easy to mold, odourless and cheaper compared to natural rubber.

Foam
A substance that is formed by trapping many gaseous bubbles in a liquid or solid.

Felt
A kind of cloth made by rolling and pressing wool or another suitable textile while applying moisture or heat, causing the fibers to mate together to create a smooth surface.

FEP
FEP is a form of Teflon®. FEP stands for fluorinated ethylene propylene, a fluorinated hydrocarbon. It is the most common type of Teflon and is often foamed in constructions to reduce its dielectric constant (and velocity of propagation).

Fibre Glass
Glass reinforced fibre.

Fish Paper
A strong, flexible, fibrous dielectric paper. It resists moderate heat and mechanical injury, and is often used for wrapping coils and insulating stove-top parts. Some fish papers incorporate mica layers to increase the dielectric strength while still giving good mechanical strength.

Fluorosilicone
Flourosilicone elastomers (also known as FVMQ) are modified silicone rubbers, which have many of the properties associated with silicone rubber but show great improvements in oil and fuel resistance. They have a very wide service temperature range and low chemical reactivity.

Glass Cloth
A textile material originally developed to be used in greenhouse paneling. It is usually woven with plain weave, and may be patterned in various ways. The properties of glass makes it heat resistance and creates a fire barriers. It has poor flexibility and a source of skin irritation.

Kapton®
A polyimide film developed by Dupont. It is light, has good insulating and temperature characteristics.

Kevlar®
A registered trademark of Dupont. This is a high strength material first commercially used in the early 1970s as a replacement for steel in racing tires. Typically it is spun into ropes or fabric sheets that can be used as an ingredient in composite material components. Currently, Kevlar has many applications, ranging from bicycle tires and racing sails to body armor because of its high tensile strength-to-weight ratio; by this measure it is 5 times stronger than steel on an equal weight basis. When used as a woven material, it is suitable for mooring lines and other underwater applications.

Kraft Paper
It is made from softwood pulp. Kraft paper can be white or brown depending on the pulp whether if it is bleached or unbleached. Normal kraft paper is strong and relatively coarse.

Lumirror®
A trademark of Toray Plastics, Lumirror® is a multifunctional, high performance biaxially-oriented polyester film. It is used in critical component in magnetic recording materials like digital recording media and some new and unexpected places --like bar code printers, phone cards, solar control panels, thermal transfer ribbons (TTR), electric devices and other high-tech products.

Mica
It is produced from silicate minerals. It is mainly used in electronic and electrical industries for its unique electrical and thermal insulating properties. Its mechanical properties allow it to be cut, punched, stamped and machined to close tolerances.

Mylar®
It is a polyester film made from stretched polyethylene terephthalate (PET) and is used for its high tensile strength, chemical and dimensional stability, transparency, reflectivity, gas and aroma barrier properties and electrical insulation.

NBR
It is a light weight elastomeric nitrile foam.

Nitrile Phenolic
Used mainly as an adhesive, Nitrile phenolics can outperform epoxies at high temperatures and provide greater strength retention at temperatures above 400 degrees F (240 degrees C).

Nomex®
A registered trademark for a flame resistant meta-aramid material developed by Dupont in the 1960s.

Nylon
It is a generic designation for a family of synthetic polymers known generically as polyamides. A tough, lightweight, elastic synthetic polymer with a protein like chemical structure, able to be produced as filaments, sheets, or molded objects.

Peek
Polyetheretherketone (PEEK) is a strong, chemical and heat-resistant thermoplastic, biocompatibility allows for use in medical implant applications, aerospace moldings. One of the most expensive commercial polymers.

Phenolic
It is a hard, dense material made by applying heat and pressure to layers of paper or glas cloth impregnated with synthetic resin. It is lightweight and has excellent dielectric strength, good machinability, heat and wear resistant. It is used mainly in terminal boards, switches, bearings, gears, transformers and machining components.

Polycarbonate
A thermoplastic polymer that is easily worked, molded and thermoformed. Trademark names are Lexan, Makrolon, Makroclear and others.

Polyester
A category of polymers also know as polyethylene terephthalate (PET).

Polyethylene
A widely used plastic mainly for packaging like plastic bags, plastic films etc.

Polyimide
A polymer known for thermal stability, good chemical resistance and excellence mechanical properties. It is used in the electronics industry for flexible cables and for medical tubing.

Polyolefin
Polyolefin is the largest class of organic thermoplastic polymers. They are non-polar, odorless, nonporous materials. As polyolefin materials are used in consumer goods, structural plastics, food packaging and industrial products, they are also called "commodity thermoplastics."

Polyphenylene Sulfide (PPS)
An organic polymer used to make filter fabric for coal boilers, papermaking felts, electrical insulation, specialty membranes, gaskets and packings. It is an engineering plastics that can be molded, extruded or machined to high tolerances.

Polypropylene
A thermoplastic polymer with a high resistant to many chemical solvents, bases and acids. It is used in a wide variety of application including stationery, plastic parts and reusable containers, laboratory equipment, loudspeakers and automotive components.

Polyslider
It is a filled nylon plastics developed for molding precision machine parts. Filling material is mainly graphite and its high content give the material better bearing capacity.

Polyurethane
A polymer used for manufacturing flexible, high-resilience foam seating, rigid foam insulation panels and gaskets.

Poron
It is the trademark name for a microcellular polyurethane used for gasketing and sealing.

Pressboard (Presspan or Transformer Board)
A hard, dense kind of board with a smooth finish, typically made from wood or textile pulp or laminated wastepaper, and used as an electrical insulator and for making light furniture.

PVC
Polyvinyl chloride, commonly abbreviated PVC, is a thermoplastic polymer. Polyvinyl chloride is the third most widely produced plastic, after polyethylene and polypropylene. PVC is widely used in construction because it is cheap, durable, and easy to assemble. It can be made softer and more flexible by the addition of plasticizers. In this form, it is used in clothing and upholstery, electrical cable insulation, inflatable products and many other applications.

Rayon
A textile fiber made from regenerated cellulose (viscose).

Rulon®
Rulon is the trade name for a family of PTFE plastics produced by Saint-Gobain Performance Plastics. Rulon plastics are known for their low coefficient of friction, excellent abrasion resistance, wide range of operating temperatures, and chemical inertness. Common applications for Rulon include seals, piston rings, bearings, and electrical insulation.

Silicone
An inert and synthetic compound with typical heat resistant properties. It is used is sealants, adhesives, lubricants, medical applications, cookware and insulation.

Tedlar®
A brand name of Dupont is actually chemically known as Polyvinyl fluoride. It is mainly used in flammability-lowering coating of airplane interiors and photovoltaic module back sheets. It is also used in raincoats and metal sheeting.

Teflon
A brand name of Dupont is also know as polytetrafluoroethylene (PTFE).

Tissue
Tissue paper is a lightweight paper or, light crepe paper. Tissue can be made both from virgin and recycled paper pulp.

UHMW
Ultra-high-molecular-weight polyethylene (UHMWPE or sometimes shortened to UHMW), also known as high-modulus polyethylene (HMPE) or high-performance polyethylene (HPPE), is a subset of the thermoplastic polyethylene.

Urethane Foam
Urethane foam is an artificial material with several different uses. The manufacturing process can produce foams of varying densities and flexibilities. This means it can serve functions as diverse as bedding, packaging and footwear.

I hate to be a kicker, I always long for peace
but the wheel that does the squeaking is the one that gets the grease. Josh Billings

Vision

To be the market leader and the most successful company in our trade:

- Electronic hardware
- Fasteners
- Sleevings, tubings and other wiring components

Mission

To be the premier distributor of our wide product range, providing our customers with total logistics management, through:

- Quality products
- Competitive pricing
- Responsiveness

Core Values

We will always meet and deliver what we commit by improving the way we do things.
We will always endeavour meeting or exceeding our customers' needs and expectations.
We will always practise:

Punctuality - We imbed punctuality into every aspect of our operation.
Receptiveness - We are receptive to all constructive criticisms.
Improvement - We seek continuous improvement in our processes.
Commitment - We offer utmost commitment to our customers.
Excellence - We strive for excellence in everything we do.

For any enquiries, please contact :

Head Office
EXIM & MFR ENTERPRISE
30 Kallang Pudding Road #06-07
Valiant Industrial Building, Singapore 349312
Tel: (65) 6743 0033
Fax: (65) 6744 2827 / 6742 2566
Email: recept@eximfr.com.sg
Website: http://www.eximfr.com.sg

EXIM & MFR (INDIA) REP OFFICE
Tel : (91) 99 8054 8644
Email: exim_india@eximfr.com.sg

PT EXIM & MFR INDONESIA
Tel: (62) 21 4788 2010 / 12
Fax: (62) 21 4788 2012
Email: exim_jakarta@eximfr.com.sg

EKSIM & MFR (PENANG) SDN BHD
Tel: (60) 4 656 6112
Fax: (60) 4 656 5741
Email: exim_penang@eximfr.com.sg

EXIM & MFR (PHILIPPINES) REP OFFICE
Tel: (63) 2 828 8957
Fax : (63) 2 828 6806
Email : exim_phi@eximfr.com.sg

EXIM & MFR (THAILAND) CO., LTD
Tel: (66) 2 984 0884 ~ 5
Fax: (66) 2 984 0886
Email: exim_thai@eximfr.com.sg

EXIM & MFR (HCMC) REP OFFICE
Tel: (84) 8 3824 5974
Fax: (84) 8 3822 1834
Email: exim_hcmc@eximfr.com.sg

Company Registration No. : 28993500L

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The belly talks but doesn't listen. Anonymous

A WORLD OF INSULATING MATERIALS AND MORE....

EXIM & MFR ENTERPRISE
義 信 企 業 私 人 有 限 公 司
The Shining Light in Single Source Solutions

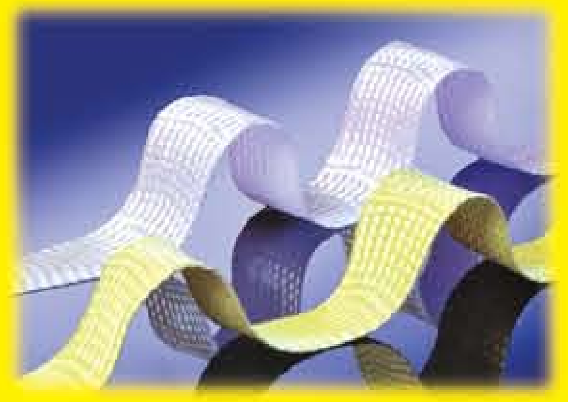
A WORLD OF INSULATING MATERIALS AND MORE....

TAPES

- Acetate Cloth
- Acrylic Foam
- Aluminium
- Aluminium Foil Glass Cloth
- Antistatic Utility
- Aramid Non-Woven
- Aramid Paper
- Belting Sequencing
- Butyl Rubber
- Carpet Laying
- Carton Sealing (OPP)
- Cellophane
- Cellulose Paper
- Closed Cell Foam
- Cloth Duct
- Computer Forms Splicing
- Conductive Grid
- Copper Foil
- Cotton Cloth
- Crepe Paper
- Cross-linked Conductive Foam
- Decorative / Reflective
- Diamond Dotted Paper Tape
- EPDM
- ESD
- Felt
- Fibre Glas / Glass Cloth
- Fibre / Fish Paper
- Foam
- Fume Protection
- Gaffers
- Hook & Loop (Velcro®)
- Hot Air Leveling
- Insulated Paper
- Kapton®
- Kraft Paper
- Masking
- Metalized Cloth Duct
- Metalized Polyester
- Mica
- Neoprene
- Nitrile Phenolic
- Non-Slip
- Non-Woven
- Nylon Cloth
- Nylon Flock
- Overlaminating
- Pallet/Packaging
- Paper
- Polycarbonate (Lexan®)
- Polyester (Mylar®, Nomex®)
- Polyester Fibre
- Polyethylene
- Polyimide
- Polyphenylene Sulfide (PPS)
- Polypropylene
- Polyurethane
- Poron
- Printed Circuit Board
- Polyvinyl Chloride (PVC)
- Rayon Fabric
- Reinforced Paper Gummed
- Rubberphalt
- Safety Warning Stripe
- Sequential
- Silicone
- Silicone Rubber
- Strapping
- Tedlar
- Teflon
- Thread-Reinforced Self-Adhesive
- Tissue
- Transfer
- Urethane Foam
- Wafer Dicing
- Wave Soldering

LACING – FLAT/ROUND/TWISTED/TAPES/CORDS

- Kevlar®
- Polyester
- Nomex®



Zest is the secret of all beauty. There is no beauty that is attractive without zest. Christian Dior

FILMS/FOAMS

- Acrylic
- Epoxy
- EVA
- Garlock Blue-Gard®
- GS Nylatron®
- Kapton®
- Lumirror®
- Mica
- Mylar®
- Nomex®
- NBR
- Paper Polyester
- Polyester (Mylar®, Nomex®)
- Polyethylene
- Polyimide
- Polyolefin
- Polyslider
- Polyurethane
- Poron®
- PVC
- Reinforced Epoxy
- Sealer Pad
- Softlon®
- Stretched
- Teflon
- UHMW
- Copolymer
- Nitrile Phenolic
- Flouride Release
- FEP
- Rulon®
- Fluorosilicone

Note: Can be supplied in Customised Size, Form, Rod, Sheet Tube

TUBINGS (SHRINK/NON-SHRINK)

- Acrylic
- Kynar®
- Neoprene
- Nylon
- Peek
- Polyethylene
- Polypropylene
- Polyolefin
- Polyvinyl Chloride (PVC)
- Polyurethane
- Silicone Rubber
- Teflon

CHOPPED STRAND

- Glass Fibre (Cem-Fil®)

Anyone who tells a lie has not pure heart, and cannot make a good soup. Ludwig Van Beethoven

LAMINATES

- Aluminium Copper
- Aluminium Fibreglass
- Bakelite
- Compressed Wood Laminate
- Copper Laminate
- Cork Rubber
- Cotton Cloth Phenotic Paper
- Crepe
- Densified Wood Laminate
- Electrographyte
- Epoxy Glass Cloth
- Glass Fibre Laminate
- Phenolic Laminate
- Phenolic Resin Impregnated
- Polycarbonate (Lexan®)
- Polyester Phenolic Cotton Cloth
- Press Board/Transformer Board/Presspan
- Wood Veneer

SLEEVINGS

- Fibre Glass (Acrylic, PVC, Silicone or Silicone Rubber Coated)
- Polyester (Mylar®, Nomex®)

He, who does not mind his belly, will hardly mind anything else. Samuel Johnson