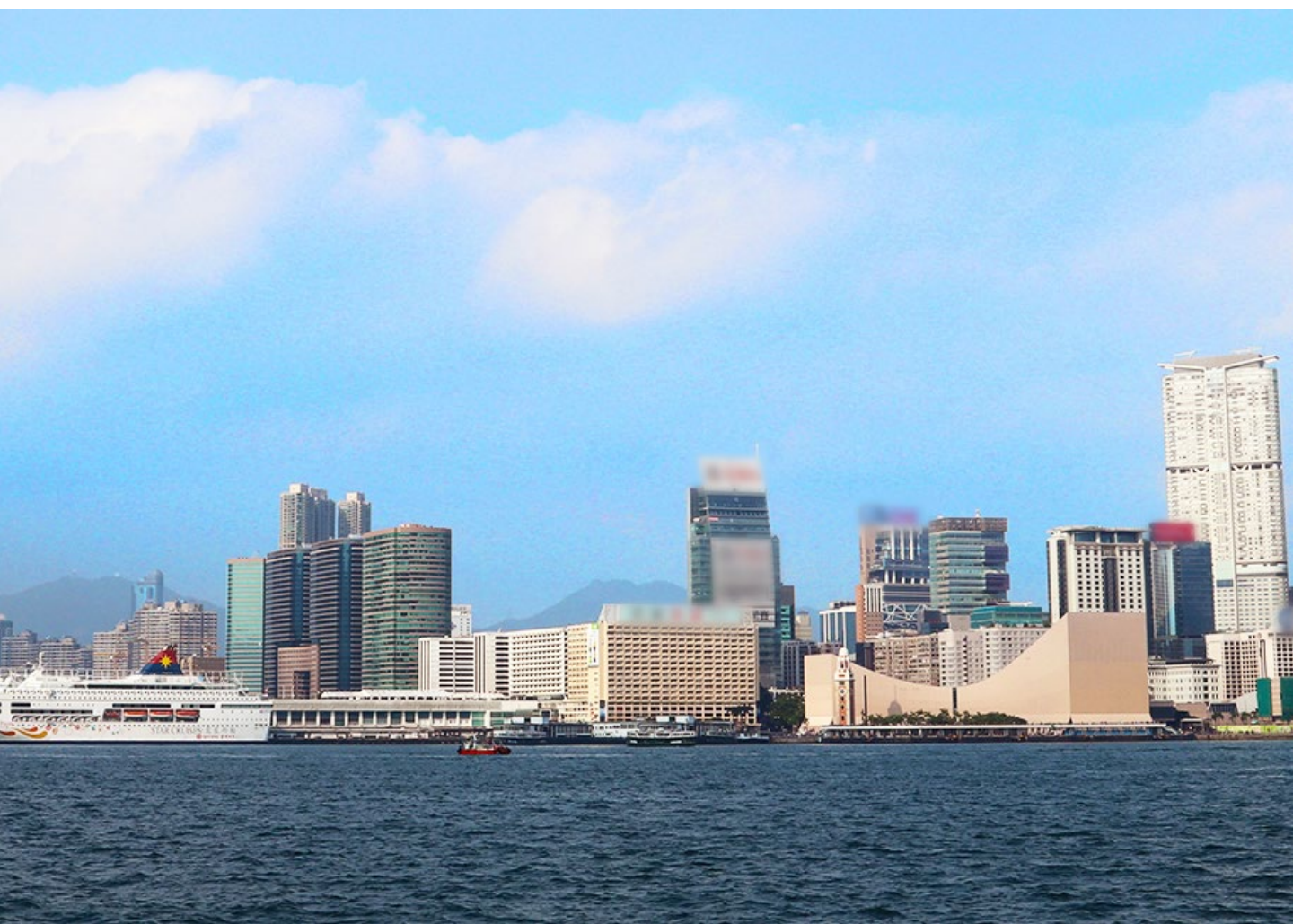


Product Catalog



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Electronics

Display



ACRYPET™ PMMA Resin

ACRYPET™ methacrylic resin is an extremely high-quality material which has the highest degree of transparency among plastics as well as other excellent properties including weather resistance, chemical resistance and hardness.

Applications : Lens, optical sheets



CLEARFIT™ Optical Clear Adhesive Sheet

This can be used as a filler between layers of panels used for touch panel and other types of displays. Using CLEARFIT™ to fill voids in the display prevents mirroring and improves both contrast and visibility.

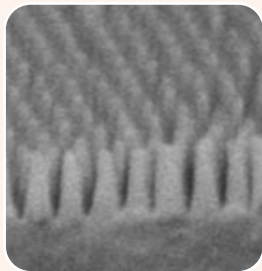
Applications : Inter-layer fill sheet for various types of displays



LUMIREX™II Optical Reflective Sheet

This polyolefin-based white reflective sheet has excellent reflectiveness. Using LUMIREX™II as reflective sheets for liquid crystal backlights helps to improve brightness. It also prevents scratches and adhesion to optical sheet.

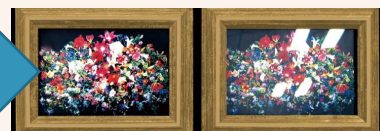
Applications : Reflective sheet for liquid crystal backlights and LED lighting



MOSMITE™ Moth Eyes High-performance Film

Like the surface of moth's compound eyes, MOSMITE™ has evenly organized hundred-nanometer scale bumps on the surface. It has high transparency and reduces reflection. Base material + MOSMITE™ thickness = 89μm

Using MOSMITE™



Applications : Various types of displays, showcases, etc

Electronics

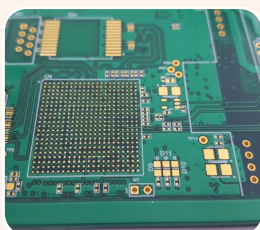
Electronics material



DIAFIX™ PET-G Film / Sheet

PETG (amorphous PET polymer) and PC (polycarbonate) are used instead of vinyl chloride to make this card film/sheet. Various grades are available (thickness from 0.05mm to 0.8mm).

Applications : Magnetic cards (credit cards, cash cards, etc.), IC cards, ID cards



ELVACITE™ Acrylic Resin

A wide range of solid acrylic resins is available. Solvents and performance (physical properties) adjustments are possible. It is non-hazardous and easy for storage.

Applications : Conductive paste binder, Reactive hot melt adhesives, PCB dry film photoresist, plastic coating, ink



jER® Epoxy Resin

jER® reacts with modifying agents (fillers, flexibility agents, diluents) and is used in many applications. Characteristics: excellent dimensional stability; adhesive to metal, porcelain, concrete, etc; high physical strength; excellent electrical insulation, flexibility, heat resistance, wear and abrasion resistance, chemical resistance, and moisture resistance.

Applications : Sealing material, laminating circuit board (green part), insulating coating

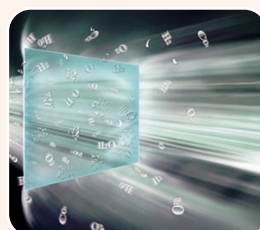


Metalocene Plastomer m-PE KN

High Pressure Method Metalocene/Polyethylene

This is a revolutionary new polymer and metalocene-based plastomer which is very flexible and transparent with plastic and elastic properties. It can be used in low temperature sealing with high impact strength and flexibility.

Applications : Stretch file, display protection film, etc ※as an additive



TECHBARRIER™ SiOx Vacuum Coated High Gas Barrier Film

This transparent gas barrier is coated with SiOx vacuum on OPET, ONY, etc. It is an excellent barrier against gases, water vapour with high odour and chemical resistance. It is printable and is easy to process in package making. It can be widely used for packaging materials in industrial market.

Applications : Protective packaging for IC card, etc

Electronics

Home & Office Appliances



ACRYPLEN™ Acrylic Film

High transparency (total light transmittance of 93%) with excellent weather resistance. It can be thermally laminated to plastic sheets and films such as PC, PVC and ABS.

Applications : Paint-like finishing for appliances, high-brightness reflective materials



DURABIO™ Bio-based Engineering Plastic

Biomass material, paint-less, BPA FREE

Applications : Smartphone front panel & back cover, display cover

Approval : USDA(56%48%38%) / Japan BP



OPC Drum Organic Photoconductor

In laser printers and copiers, an image is formed by removing the static electricity from the part irradiated by the light of the electrically charged OPC (organic photoconductor) drum and adhering toner to the obtained electrostatic latent image.

Applications : Printers and copiers



SUPERIO™ UT

Thermoplastic High Heat-resistant Engineering Plastic Film

Developed for electrical insulation, it has excellent heat resistance against polar solvent. Aluminum vapour deposition, plastic and metallic foil lamination are possible. It can be coated with adhesive or antistatic coating.

Applications : Diaphragm for earphone & speaker, lead tapes, heat resistant labels



Automotive

Interior & Exterior



ACRYPLEN™ Acrylic Film

High transparency (total light transmittance of 93%) and excellent optical performance at low haze value. Excellent weather resistance and processability.

Applications : Paint-like finishing, high-brightness reflective materials



ACRYPET™ PMMA Resin

High transparency, weather and scratch resistance. Excellent hardness.

Applications : Interior & exterior, tail lamps, etc



CLEARFIT™ Optical Clear Adhesive Sheet

This can be used as a filler between layers of panels used for touch panel and other types of displays. Using CLEARFIT™ to fill voids in the display prevents mirroring and improves both contrast and visibility.

Applications : Inter-layer fill sheet for various types of displays



ELVACITE™ Acrylic Resin

A wide range of solid acrylic resins is available. Solvents and performance (physical properties) adjustments are possible. It is non-hazardous and easy for storage.

Applications : Reactive hot melt adhesives for interior & exterior, coating for interior, exterior and leather sheet



DURABIO™ Bio-based Engineering Plastic

High transparency, weather resistance and colourability. Biomass material, paint-less, BPA FREE.



Applications : Interior & exterior



Automotive

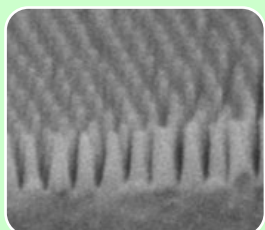
Interior & Exterior



jER® Epoxy Resin

jER® reacts with modifying agents (fillers, flexibility agents, diluents) and is used in many applications. Characteristics: excellent dimensional stability; adhesive to metal, porcelain, concrete, etc; high physical strength; excellent electrical insulation, flexibility, heat resistance, wear and abrasion resistance, chemical resistance, and moisture resistance.

Applications : Electrodeposition coating for the first layer of paint on a car



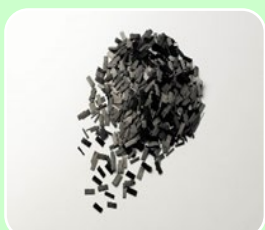
MOSMITE™ Moth Eyes High-performance Film

Like the surface of moth's compound eyes, MOSMITE™ has evenly organized hundred-nanometer scale bumps on the surface. It has high transparency and reduces reflection. Base material + MOSMITE™

thickness = 89μm

Applications : Display

Using MOSMITE™



PYROFIL® PAN-based Carbon Fiber

PYROFIL® is a high-performance carbon composite short fiber and is used in compounding with thermoplastic resin. It improves strength and elasticity, and enhances electrical conductivity, thermal conductivity and fatigue resistance.

Applications : Exterior parts



REXPEARL™ Ethylene-based special copolymers

Flexible and highly adhesive. Excellent processability (formability) and adhesion to various substrate. It has excellent impact resistance and very high impact strength even at low temperatures.

Applications : Hot melt film for large area, adhesive for ceiling materials



TEFABLOC™ Thermoplastic Elastomer

TEFABLOC™ is applicable to multi-layer molding with excellent flexibility and functionality. Various types are available (TPO, TPC, TPS, etc.) and can meet diverse requirement.

Applications : Window frame sealing material, interior & exterior parts



Automotive

Cables



OLEFISTA™ Halogen-free Flame Retardant Resin

Passed ISO 6722D authentication. Excellent heat resistance, flexibility, formability, and scratch resistance.

Applications : Cable coating materials, electrical equipment



Medical

Medicament Packaging



ELVACITE™ Acrylic Resin

A wide range of solid acrylic resins is available. Solvents and performance (physical properties) adjustments are possible. It is non-hazardous and easy for storage.

Applications : Sealing for drug packaging, denture material



Metalocene Plastomer m-PE KN

High Pressure Method Metalocene/Polyethylene

This is a revolutionary new polymer and metalocene-based plastomer which is very flexible and transparent with plastic and elastic properties. It can be used in low temperature sealing with high impact strength and flexibility.

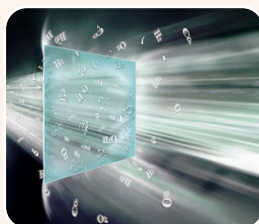
Applications : PTP(Aluminum foil), infusion bag, standing pouch



MODIC™ Adhesive / Easy Peel Sealant Resin

MODIC™ is an adhesive resin whereby acid grafted polyolefin forms a layer or a coating to provide adhesion between materials. It has excellent adhesive performance, physical property and processability. It is good for food hygiene.

Applications : Multi-layer bottle, tube, extrusion lamination, medicament containers



TECHBARRIER™ SiOx Vacuum Coated High Gas Barrier Film

This transparent gas barrier is coated with SiOx vacuum on OPET, ONY, etc. It is an excellent barrier against gases, water vapour with high odour and chemical resistance. It is printable and is easy to process in package making. It can be widely used for packaging materials in the industrial market.

Applications : Medicament & infusion bag packaging



TEFABLOC™ Thermoplastic Elastomer

Excellent chemical resistance. It can be processed by various molding methods such as injection molding and extrusion molding.

Applications : Medical instruments (syringe parts, etc)



Medical

Device Housing / Display



ACRYPET™ PMMA Resin

High transparency, weather and scratch resistance. Excellent chemical resistance and surface hardness.

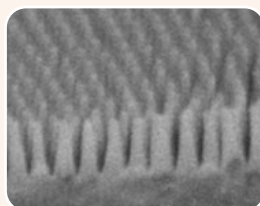
Applications : Medical equipment surface panel, touch panel



DURABIO™ Bio-based Engineering Plastic

High transparency. Good appearance. Excellent scratch resistance and chemical resistance. Not easy to become yellow.

Applications : Device housing

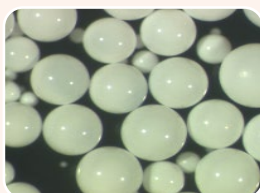


MOSMITE™ Moth Eyes High-performance Film

Like the surface of moth's compound eyes, MOSMITE™ has evenly organized hundred-nanometer scale bumps on the surface. It has high transparency and reduces reflection. Base material + MOSMITE™ thickness = 89μm

Applications : Display of medical equipment

Purification



DIAION™ Ion Exchange Resin

DIAION™ is used in production of waters for industrial and medical uses such as soft water, demineralized water and ultrapure water. It is also used in the purification of medicines.

Applications : Ultrapure water for medicines



Food

Food Packaging



ACRYPET™ PMMA Resin

Excellent transparency, colourability, weather resistance and surface hardness. Approved by FDA: ACRYPET™ VH, MD, MF grades can be used for hot fill below 150°F (except for foods with alcohol content of more than 8%) and can be used for all types of food under sterilized conditions.

Applications : Various food containers



ELVACITE™ Acrylic Resin

A wide range of solid acrylic resins is available. Solvents and performance (physical properties) adjustments are possible. It is non-hazardous and easy for storage.

Applications : Sealing for packaging, ink binder for package printing



HISHIPET™ PET Heat-Shrinkable Film

It has excellent shrinking properties to fit different bottle shapes. Labels can be set in any position. Superior transparency, clarity and glossiness for colourful printing. It can also protect the product from scratches, water and UV (UV protection type). It seals tightly around the caps of the bottles to prevent tampering.

Applications : Bottle PET film



jER® Epoxy Resin

jER® reacts with modifying agents (fillers, flexibility agents, diluents) and is used in many applications. Characteristics: excellent dimensional stability; adhesive to metal, porcelain, etc; high physical strength; excellent electrical insulation, flexibility, heat resistance, wear and abrasion resistance, chemical resistance, and moisture resistance.

Applications : Coating (film thickness = few microns) for steel cans, aluminum cans



Food

Food Packaging



Metalocene Plastomer m-PE KN

High Pressure Method Metalocene/Polyethylene

This is a revolutionary new polymer and metalocene-based plastomer which is very flexible and transparent with plastic and elastic properties. It can be used in low temperature sealing with high impact strength and flexibility.

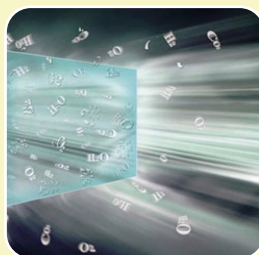
Applications : Stretch film, wrap film, liquid packaging, standing pouch



MODIC™ Adhesive / Easy Peel Sealant Resin

MODIC™ is an adhesive resin whereby acid grafted polyolefin forms a layer or a coating to provide adhesion between materials. It has excellent adhesive performance, physical property and processability. It is good for food hygiene.

Applications : Multi-layer bottle, tube, extrusion lamination, hot melt film/adhesive for food containers

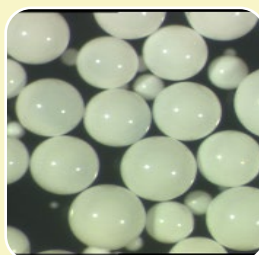


TECHBARRIER™ SiOx Vacuum Coated High Gas Barrier Film

This transparent gas barrier is coated with SiOx vacuum on OPET, ONY, etc. It is an excellent barrier against gases, water vapour with high odour and chemical resistance. It is printable and is easy to process in package making. It can be widely used for packaging materials in the industrial market.

Applications : Various food packaging

Purification



DIAION™ Ion Exchange Resin

DIAION™ is used in production of waters for industrial use such as soft water, demineralized water and ultrapure water.

Applications : Water treatment and ultrapure water for food

Food

Food Additives



ERYTHRITOL™(ERT) Low Calorie Sweetener

ERYTHRITOL™ is a sweetener classified as a natural sugar alcohol. It is recognized by the Ministry of Health and Welfare in Japan as a 0kcal/g sweetener. It is an ideal sugar substitute for diabetics and health-conscious people.

Applications : Beverage, bakery products



RYOTO™ Sugar Ester (SE) Food Emulsifier

RYOTO™ Sugar Esters (SE) is food emulsifier (non-ion surfactants) which is composed of sucrose and fatty acids of vegetable origin. It improves the stability of food and beverage.

Applications : Soy milk, dairy products, oil products, frozen food, noodles



RYOTO™ Sugar Ester (SP/SPOP) Foaming agent

RYOTO™ SP is a foaming agent made from emulsifier and carbohydrates. It improves the foaming of the dough and its stability. You can easily make high-quality cakes without failure.

Applications : Sponge cake, cookie, bakery products



Construction

Construction Materials



ACRYPLEN™ Acrylic Film

High transparency (total light transmittance of 93%) and excellent optical performance at low haze value. Excellent weather resistance and processability.

Applications : Paint-like finishing, high-brightness reflective materials



ELVACITE™ Acrylic Resin

It improves adhesion and weather resistance. Drying speed can be adjusted.

Applications : Road marking, anti-slip paint

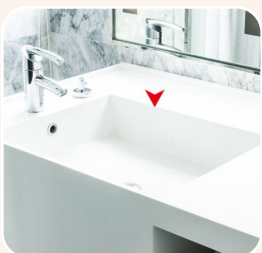


jER® Epoxy Resin

jER® reacts with modifying agents (fillers, flexibility agents, diluents) and is used in many applications. Characteristics: excellent dimensional stability; adhesive to metal, porcelain, concrete, etc; high physical strength; excellent electrical insulation, flexibility, heat resistance, wear and abrasion resistance, chemical resistance, and moisture resistance.

Applications : Flooring (waterproof coating, corrosion resistant concrete)

Artificial Marble



ACRYPET™ PMMA Resin

Excellent colourability, weather resistance and surface hardness.

Applications : Artificial marble



Construction

Sound Barrier



ACRYPET™ PMMA Resin

High transparency. Good appearance. Excellent colourability, weather resistance and surface hardness.

Applications : Sound barrier



DURABIO™ Bio-based Engineering Plastic

High transparency. Good appearance. Not easy to turn yellow. Excellent abrasion resistance and chemical resistance.

Applications : Sound barrier

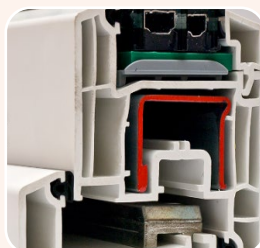
Window Materials



ACRYPET™ PMMA Resin

Excellent transparency, colourability, weather resistance, chemical resistance, and surface hardness.

Applications : Window frame covering material



TEFABLOC™ Thermoplastic Elastomer

TEFABLOC™ is applicable to multi-layer molding with excellent flexibility and functionality. Various types are available (TPO, TPC, TPS, etc.) and can meet diverse requirement.

Applications : Door and window sealing material



mitsubishi
CHEMICAL
GROUP

Mitsubishi Chemical Hong Kong

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