



Design, Develop & Deliver

with Distrupol and LG CHEM Engineering Materials and Styrenics

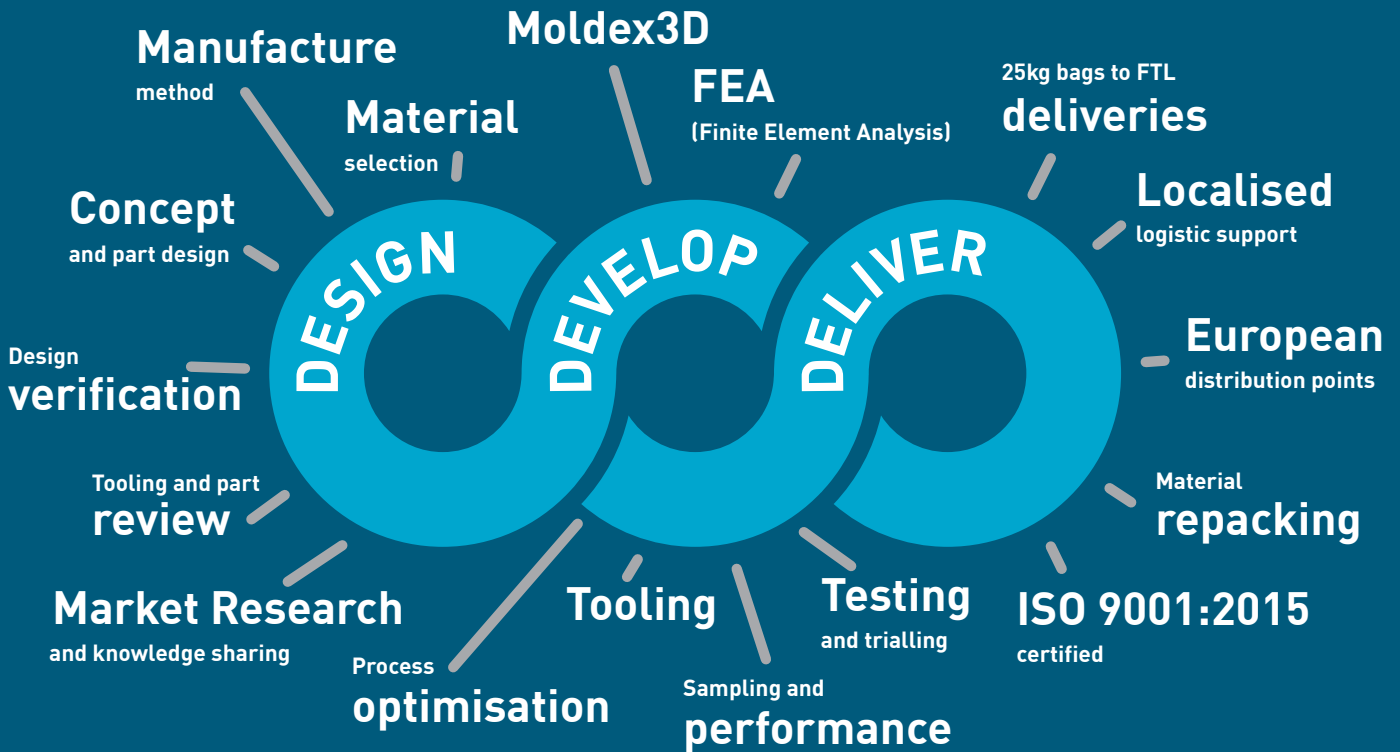
Founded in 1947, the Lak Hui Chemical Industrial Corporation emphasised the principle of creating harmony amongst the people. The employees believed that mutual trust and responsibility were crucial to accomplishing business objectives. In 1952, Lak Hui (currently LG Chem) became the first Korean company to enter the plastics industry and has since built a global network for production, research and development.

LG Chem is committed to providing expert materials and solutions across many versatile markets, including automotive, electronics, consumables, food packaging and construction.

- LG ABS
- LG ASA
- LG SAN
- LG LUPOY PC
- LG LUPOY PC/ABS
- LG LUPOY PC/ASA
- LG LUPOX PC/PBT
- LG LUMAX PBT/Styrene
- LG LUCEL POM-C
- LG LUSEP PPS
- LG LUMID PA
- LG LUMILOY PPE/HIPS & PPE/PA
- LG LUPOS ABS & SAN

An Integrated Process

From concept to manufacture



Distrupol is a European leader with over 50 years of excellence, innovation and expertise in the sales and application development of thermoplastic polymers and elastomers.

Our team of highly experienced sales people is able to meet your requirements and exceed your expectations, whilst adding value to your business.

The team is supported in every market by our development engineers, who have an unrivalled knowledge of every aspect of polymer technology including design of parts and moulds, polymer selection to achieve best performance, troubleshooting and optimising the production of parts.

Our long-term partnerships with world class suppliers strengthen our knowledge and give us an extensive range of high quality products to provide a material solution for every application.

All of our suppliers are REACH compliant and all of the Distrupol businesses are fully accredited to ISO 9001:2008.

The Distrupol portfolio contains products and solutions that fulfil the requirements of leading and emerging industries.

The range is accompanied by certifications and approvals for the automotive, medical, food and electrical industry. Warehouses in the United Kingdom, Ireland, Sweden, Finland and the Netherlands support us to offer next day delivery across Europe. Materials are available from 25kg bags to full truckloads, octabins, big bags and bulk delivery. Whenever required, we can repack material in our warehouse into the desired packaging.

Discover the real value that Distrupol can add to your business.

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LG ABS

LG ABS is a thermoplastic resin made from Acrylonitrile, Butadiene and Styrene. ABS is a highly functional plastic known for its impact resistance and high gloss appearance. Highly processable, ABS can be used for a variety of applications including electric/electronic parts, automotive parts, home appliances, toys and much more.

Product Range

- General purpose
- Food approved
- Good repeated impact
- Heat and high heat resistant
- High impact
- Metal plating
- Flame retardant
- Transparent

Advantages

- Durable
- Resistance to corrosive chemicals
- Easy to process and machine
- Low melt temperature
- 3D printable on an FDM machine
- Colourability
- High gloss



LG ASA

LG ASA (Acrylate Styrene Acrylonitrile) is a co-polymer SAN resin reinforced with acrylic rubber. LG ASA has excellent weather resistance, whilst maintaining most of the properties of ABS, so it is the best choice for outdoor applications e.g. automotive exteriors, construction and furniture finishing sheeting etc.

Product Range

- General purpose
- High fluidity
- High/ low gloss
- High impact
- Antistatic
- Heat resistant
- Scratch resistant

Advantages

- Weather resistant
- Resistance to corrosive chemicals
- Physical impacts
- Easy to machine
- Low melting temperature
- Colourability
- High gloss
- Gloss and colour retention

LG SAN

LG SAN is a copolymer of styrene and acrylonitrile and offers high heat resistance and chemical resistance. LG SAN is impact-resistant, high-clarity, dishwasher safe and can be used for food containers as well as a wide range of applications in the electronic and automotive markets.

Product Range

- General purpose
- Food approved
- High strength
- High transparency
- Chemical resistant

Advantages

- High clarity (crystal/ ice colour)
- High heat
- Durable
- High flow
- High heat resistance
- Good dimensional stability
- Easy to process

LG LUPOY PC

LG LUPOY PC (Polycarbonate) is an amorphous engineering thermoplastic having a light transmission similar to glass. It has excellent mechanical properties, high heat resistance, high transparency, high impact strength and dimensional stability. LG LUPOY PC also has excellent weather resistance, colourability and can be used for food applications.

Product Range

- General purpose
- Unreinforced
- Glass fibre reinforced
- High impact
- Heat resistant
- UV resistant
- High clarity
- Flame retardant
- Food approved

Advantages

- Heat resistance
- UV resistance
- High clarity
- Flame retardant
- Able to laser mark
- Surface gloss
- Stiffness
- Dimensional stability



LG LUPOY PC/ABS

LG LUPOY PC/ABS (Polycarbonate/ Acrylonitrile Butadiene Styrene) blend is an amorphous engineering thermoplastic that has a balanced performance in toughness and processability, mechanical and electrical properties with good chemical stability and colourability. The wide range of LG LUPOY PC/ABS exists of products for general purpose, flame retardant, injection and extrusion, glass filled, food contact etc.

Product Range

- General purpose
- Unreinforced
- Glass fibre reinforced
- Flame retardant
- Food approved

Advantages

- High impact over a wide temperature range
- Good electrical properties
- Good mechanical properties
- Chemical stability
- Able to laser mark
- Easy processing
- High surface gloss

LG LUPOY PC/ASA

LG LUPOY PC/ASA (Polycarbonate/Acrylonitrile Styrene Acrylate) is an engineering thermoplastic offering a balanced performance in toughness and processability, mechanical properties with good chemical stability, good UV resistance, colourability and colour stability. PC/ASA is commonly used in unpainted automotive exterior and electrical applications where outdoor weatherability is required.

Product Range

- General purpose
- Unreinforced
- Low gloss
- Flame retardant
- Antistatic

Advantages

- Impact over a wide temperature range
- Good electrical properties
- Good mechanical properties
- Outstanding colour stability
- High & low surface gloss
- Good UV resistance
- Able to laser mark



LG LUPOX PC/PBT

LG LUPOX PC/PBT is a blend of Polycarbonate/ Polybutylene Terephthalate. PBT is a semi crystalline thermoplastic with excellent properties such as high strength, rigidity, good resistance to fatigue and creep at elevated temperatures. PC/PBT is particularly effective in automotive and industrial applications that require a ductile failure mode (non-shattering breaks) and chemical resistance, for example in automotive/ transport exterior applications.

Product Range

- General purpose
- Unreinforced
- Glass fibre reinforced
- Mineral reinforced
- Flame retardant
- Food approved

Advantages

- Able to laser mark
- Anti-hydrolysis
- Stiffness
- Gloss retention
- Good electrical insulation
- High surface gloss
- Good UV resistance

LG LUMAX PBT/Styrene

LG LUMAX resins are a family of thermoplastic blends of PBT and styrenic resin that combine the most desirable properties of both resins. They offer high heat resistance, impact resistance and processability for a wide range of applications including the automotive, electrical/electronic and industrial/household appliances markets.

Product Range

- General purpose
- Unreinforced
- Glass fibre reinforced
- Flame retardant

Advantages

- Easy processing
- Able to laser mark
- Colour stability at elevated temperatures
- Good electrical insulation
- Good surface gloss
- Good UV resistance

LG LUCEL POM

LG LUCEL POM (Polyoxymethylene) is an engineering plastic. It is widely applied in the automotive, electricity and electronics markets due to its remarkable mechanical, thermal and chemical properties, as well as excellent dimensional stability and wear resistance.

Product Range

- General purpose
- Glass fibre reinforced
- UV stabilized
- Toughened

Advantages

- Low moisture uptake
- Low friction & wear
- Chemical & fuel resistance
- Fatigue resistance
- Creep resistance
- Dimensional stability
- Advanced lubrication (oil/PTFE)
- Wide range of service temperatures



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LG LUSEP PPS

LG LUSEP PPS is a partially crystalline engineering resin known for dimensional stability. It is a super engineering plastic based on Polyphenylene Sulfide (PPS), Polyphthalic Amide (PPA) and Syndiotactic Polystyrene (SPS). It has an excellent chemical resistance and resistance to corrosive and high temperature environments and it has a very low moisture absorption.

Product Range

- General purpose
- Glass fibre reinforced (10-60%)
- Glass/ mineral filled (45-70%)
- High impact
- Low flash
- Metal adhesion
- Low Friction & wear resistance
- Epoxy adhesion

Advantages

- Thermal stability
- Dimensional stability
- Chemical resistance
- Inherent flame retardant
- Easy processing
- Exceptionally high modulus
- Creep resistance
- Dimensional stability

LG LUMID PA

LG LUMID PA (polyamide) comes in a range of PA6, PA6.6 and PA6.6/6 grades that offers a wide range of unique properties such as high mechanical strength, stiffness and impact with good electrical and flammability properties.

Product Range

- General purpose
- Unreinforced
- Glass fibre reinforced (15-50%)
- Halogen free
- Flame retardant
- Impact resistant
- Toughened
- Heat stabilised

Advantages

- Flexible
- Easy to process
- Dimensional stability
- Fatigue resistance
- Creep resistance
- Chemical resistance
- Thermal resistance

LG LUMILOY PPO/HIPS & PPO/PA

LG LUMILOY is an engineering plastic based on LG Chem's mPPE (or mPPO). Specifically, mPPE is a product made by forming an alloy between PPE (Polyphenylene Ether) and resins of different kinds such as PS (Polystyrene) and PA (Polyamide). As a product of low specific gravity and high heat resistance, it has excellent hydrolysis resistance.

Product Range

- General purpose
- Glass fibre reinforced
- Flame retardant
- Halogen-free
- High impact
- High heat resistant
- Mineral reinforced
- Water approved

Advantages

- Heat resistance
- Good electrical insulation properties
- Excellent hydrolytic stability
- Excellent dimensional stability
- Good processability

LG LUPOS ABS & SAN

LG LUPOS ABS/SAN is a compounded engineering plastic reinforced with glass fibre. Its mechanical properties have been significantly enhanced to provide improved strength, rigidity and dimensional stability. As well as this, its heat deflection temperature has been increased by adding glass fiber to the styrene resin.

Product Range

- General purpose
- Glass fibre reinforced
- High heat resistant
- Flame retardant

Advantages

- Dimensional stability
- Low mold shrinkage
- Heat deflection temperature
- Mechanical properties





For further information
please contact us today!

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www.distrupol.com

Design, Develop & Deliver

Distrupol, your polymer solutions partner.

Our highly experienced sales and technical team will support you with mould design, polymer selection, testing and process optimisation.