DISTRUPOL℠
A Univar company

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Design, Develop & Deliver

with Distrupol and DuPont® Performance Materials

DuPont, the company that invented Nylon, Neoprene and Kevlar®, is a leader in thermoplastics, elastomers and biopolymers. DuPont puts science to work by creating sustainable solutions essential to a better, safer, healthier life for people everywhere.

DuPont offers a wide range of innovative products and services for markets including agriculture, nutrition, electronics, communications, safety and protection, home and construction, transportation and apparel.

- Crastin® PBT Thermoplastic Polyester Resin
- Delrin® Acetal Resin
- Hytrel® TPC-ET Thermoplastic Polyester Elastomer
- Minlon® Mineral Reinforced Nylon Resin
- Rynite® PET Polyester Resin
- Sorona® EP Thermoplastic Polymer
- Zytel® Nylon Resin
- Zytel® HTN - High Performance Polyamide
- Zytel® Long Chain Polyamides (LCPA)

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Distrupol, your supply partner for DuPont Performance Materials. Contact us today to find out more!

DUPONT®

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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Crastin® PBT Thermoplastic Polyester Resin

Crastin® polybutylene terephthalate (PBT) provides exceptional dimensional stability combined with low creep, excellent electrical insulation properties and fantastic surface finishes. Through modifications, physical and technical, a vast range of grades is available for a variety of applications.

Product Range

- Unreinforced
- Glass fibre reinforced (10%-50%)
- Glass bead reinforced
- Flame retardant
- Tough & super tough
- Low warp
- Food & water approved
- Medical
- Laser markable
- Super fast cycling
- Hydrolysis resistant

Advantages

- Stiffness
- Dimensional stability at high temperatures (130/150°C)
- Colour stability at elevated temperatures
- Creep resistance
- Good electrical insulation (up to Class F)
- High surface gloss
- Good UV resistance

Delrin® Acetal Resin

Delrin® acetal (Polyoxymethylene POM) bridges the gap between metals and plastics with a unique combination of properties. These include low wear/low friction, strength and stiffness, hardness, dimensional stability, toughness, fatigue resistance, solvent and fuel resistance. Delrin® is the stiffest and strongest unreinforced technical engineering polymer available.

Product Range

- Low, medium & high flow
- Tough & super tough
- UV stabilised
- Easy processing
- Glass fibre reinforced (10%-25%)
- Advanced lubrication
- Antistatic & conductive
- Teflon® filled
- Food & water approved
- Medical
- Kevlar® modified
- Metal detector & X-Ray visible

Advantages

- Stiffness without reinforcement
- Toughness over wide temperature range
- Wide range of service temperatures
- Fatigue resistance
- Creep resistance
- Dimensional stability
- Low moisture pickup
- Chemical & fuel resistance
- Low friction & wear

Hytrel® TPC-ET Thermoplastic Polyester Elastomer

Hytrel® thermoplastic polyester elastomers provide the flexibility of rubbers, the strength of plastics and the processibility of thermoplastics. Hytrel® combines resilience, heat and chemical resistance with strength and durability.

Product Range

- Shore 30D - 82D
- Flame retardant
- UV stabilised
- Hydrolysis resistance
- Food & water approved
- Medical
- Blow mouldable

Advantages

- High impact strength at low temperatures
- Excellent fatigue resistance
- Flexible at low temperatures
- Wide range of service temperatures (-40°C-125°C)
- Good noise & vibration dampening
- No plasticizer
- Excellent oil & solvent resistance
- Easy to process

For further information please contact us today!
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Minlon® Mineral Reinforced Nylon Resin

Minlon® mineral/glass-reinforced nylon resins offer properties which maintain the optimum balance of strength and rigidity, while minimising the effects of warpage. Minlon® provides excellent chemical resistance and retention of properties at high temperatures.

Product Range

- Mineral reinforced (15% -40%)
- Glass/mineral combinations
- Toughened
- Heat stabilised
- Lubricated
- Low warp
- Paintable & chrome platable

Advantages

- Easy flow
- Fast cycle times
- High impact strength
- Excellent chemical resistance
- Excellent surface finish

Rynite® PET Polyester Resin

Rynite® modified polyethylene terephthalate (PET) combines the best properties of stiffness, temperature performance and maximum dimensional stability with high gloss finish. Rynite® is formulated with a unique rapid crystallisation system and also has a 20°C heat deflection advantage over standard PBT.

Product Range

- Glass fibre reinforced (15%-55%)
- Glass & mineral combinations
- Flame retardant & non-halogenated
- Toughened
- Lubricated
- Low warp
- High glow wire performance
- High gloss
- Rynite® SUV (Super UV)

Advantages

- Stiffness
- Dimensional stability at high temperatures (155°C-200°C)
- Colour stability at high temperatures
- Creep resistance
- Flame & glow wire resistance
- Good electrical insulation (up to Class H)
- High surface gloss
- UV resistance
- Easy processing

Sorona® EP Thermoplastic Polymer

Sorona® EP thermoplastic polymer is produced with 20%-37% renewably sourced material from non-food biomass. The properties of Sorona® EP include good strength, stiffness and dimensional stability with low warpage and excellent surface appearance.

Product Range

- Unreinforced
- Glass fibre reinforced (15%-45%)
- Food approved
- High gloss
- Sublimentation printable

Advantages

- Excellent surface finish
- Good UV resistance
- Stronger & stiffer than PBT
- Dimensional stability
- 20 - 37% renewable biomass
- 40% less energy to produce
- CO_2 Emission reduction
- Smaller carbon footprint

Zytel® Nylon Resin

Zytel® has been an industry leader for more than 70 years. Zytel® is one of the most versatile of nylons with a range of PA6, PA6.6 and PA6.6/6 grades. Zytel® offers high mechanical strength, stiffness and toughness, along with good electrical and flammability properties.

Product Range

- Unreinforced
- Glass fibre reinforced (15%-60%)
- Flame retardant
- Tough & super tough
- Heat stabilised
- Lubricated
- Flexible
- Food & water approved
- Medical
- Low wear
- Hydrolysis resistant
- Weather resistant
- Blow moulding
- Non-halogen flame retardant

Advantages

- Strength
- Toughness
- Fatigue resistance
- Creep resistance
- Chemical resistance
- Thermal resistance
- Low wear
- Easy to process
- Dimensionally stable

Zytel® HTN - High Performance Polyamide

Zytel® HTN High performance polyamide bridges the gap between engineering and high performance speciality polymers. Zytel® HTN is modified to withstand extreme conditions such as long term exposure to heat, chemicals and moisture.

Product Range

- Glass fibre reinforced (15%-60%)
- Unreinforced
- Flame retardant & non-halogenated
- Heat stabilised
- Lubricated
- Toughened
- Food approved
- Hydrolysis resistant
- Low wear & friction
- Low warp
- EF Friendly

Advantages

- Stiffness
- Property retention with moisture content
- High service temperature (150°C-200°C)
- Creep resistance
- Chemical resistance
- Dimensionally stable

Zytel® Long Chain Polyamides (LCPA)

Zytel® Long Chain Polyamides (LCPA) includes PA10.10, PA6.10 and PA6.12 produced in standard and renewably sourced (RS) options (20 – 100% renewable). Zytel® (LCPA) grades offer excellent thermal, flexible, chemical and hydrolysis resistance properties.

Product Range

PA10.10

- Flexible
- Heat & UV stabilised
- Toughened & plasticized

PA6.10 & PA6.12

- Glass reinforced
- Toughened

PA6.12

- Food & medical
- Carbon fibre
- Toughened & plastersized

Advantages

- 20%-100% renewable content
- Flexible
- Tough
- Excellent chemical resistance
- Hydrolysis resistance
- Excellent thermal properties
- High stiffness & strength
- Lower permeability to fuel & gases

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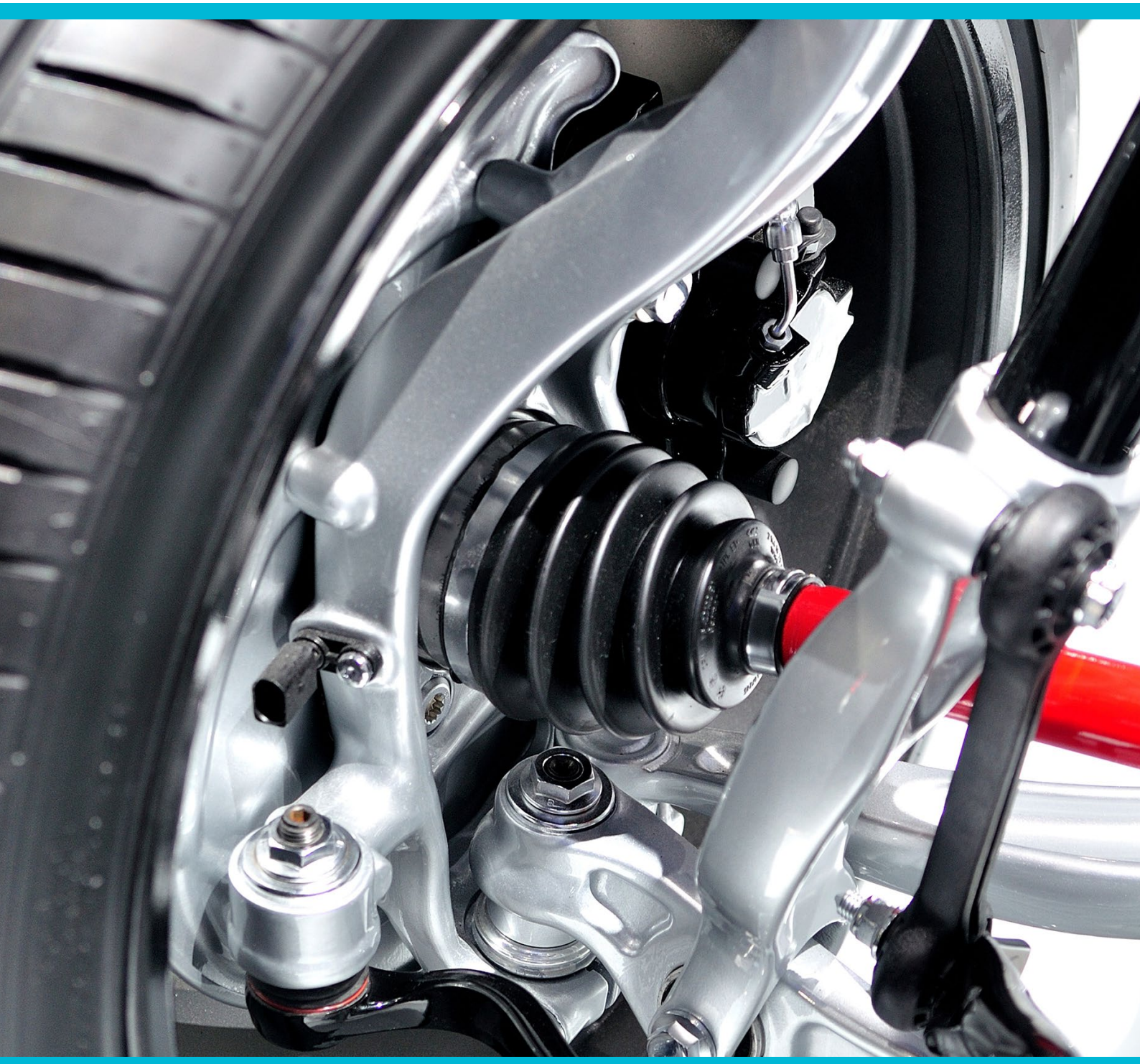

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Distrupol, your polymer solutions partner.

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