

# LOOK AT ME, ...MEET ME




Engineering Plastic Solutions

 Grupo Repol

# Index

**Our Own Trademarks**  
**Products Portfolio**  
**Markets**  
**Successful challenges**  
**Contact**

Engineering Plastic Solutions

 **Grupo Repol**

# Our Own Trademarks

Technical Polyamides  
**DINALON**®

Advanced Polyolefins  
**DINAPLEN**®

Polycarbonate Compounds  
**DINAXAN**®

PC/ABS PC/PBT Compounds  
**DINABLEND**®

Acetal Copolymer  
**DINAFORM**®

Technical Polyester  
**DINADUR**®

ABS Compounds  
**DINAREX**

Engineering Plastic Solutions

 Grupo Repol

# Products Portfolio

**PRODUCTION  
STANDARD / SPECIALLY  
MADE**

**DINALON-PA  
DINAPLEN-PP  
SABIC-PP  
DINAFORM-POM  
DINAXAN-PC  
DIRABLEND-PC/ABS  
DINAREX-ABS  
TORELINA-PPS**

**ADDITIVES**

**GLASS FIBRE  
MINERAL CHARGE  
GLASS BEADS  
CARBON FIBRE  
NUCLEATED  
PTFE (TEFLON)  
FLAME RETARDANT  
CARBON NANOFIBRE  
MOLIBDENE BISULPHURE  
COLOUR  
LUBRICATED  
IMPACT MODIFIED  
TRANSPARENT  
NANO CLAY  
HEAT STABILIZED**

Engineering Plastic Solutions



Grupo Repol

# Product Groups

Our Trademarks are the base to produce the wide range of materials, from standards to specially made compounds according with our customers needs.

Additives needed for the design of the most suitable formulation in each application, provide added value to each project.

We work with Polyolefines such as High Performance Technical Thermoplastics to give the best service to our customers.

# Markets

We innovate in the major markets worldwide covering the main sectors (Automotive, Electrical and tool Industries, Food sector, Pharmacy,...), that demand products with specific and exigent features (Magnet Plastics, Dissipative heat Compounds, Electrical Conductors, Diamagnetic Compounds, Elastic PA with barrier properties)

We are capable to provide materials all around the world:

*« Tell us where you want it , and we serve it »*

# Successful challenges\_1

Case: Fuel Tank Filler Neck for Automotive.

Country: Spain

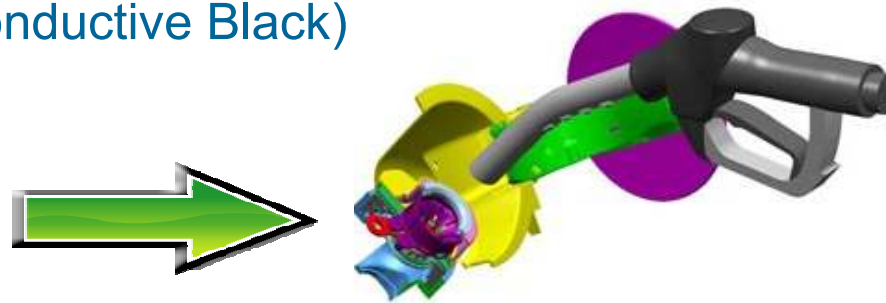
Challenge: Our DINAFORM-POM was formulated to get a Conductive Material with excellent mechanical properties, combined with chemical resistance and electrostatic dissipation, necessary for this application.

Application: Fuel Tank Filler Neck.

Used for: Automotive Refuelling System.

Sector: Automotive

REPOL Technical Solution : DINAFORM® POMC1X09 C-4219 (POM Copolymer Conductive Black)



Engineering Plastic Solutions



Grupo Repol

# Successful challenges\_2

Case: Latches and Hinges for security door in Swimming-pools.

Country: Australia

Challenger: Combination of UV protection, low friction coefficient and good mechanical properties. Part with stetic surface and resistance to outside climatic conditions. For this application was used DINALON PA6 with Glass Fibre, Heat and UV Stabilized

Aplication: Latches and Hinges.

Used for: Security gate for Swimming-pools.

Sector: Construction.

REPOL Technical Solution: DINALON® B2S25 G40 HUVVM (PA6 GF UV stabilized lubricated)



Engineering Plastic Solutions

 Grupo Repol

# Successful challenges\_3

Case: Coloured Vacuum Cleaner Case.

Country: Germany

Challenge: The achievement of their specific colours, Pacific green and Sea green, combined with excellent glow wire resistance at 750 °C.

The new material has the following mechanical properties: impact resistance, tensile and flexural strength.

Application: Exhaust fan, cable guides, leads, connections, handles.

Used for: Vacuum cleaner

Sector: Appliances

REPOL Technical Solution:

DINALON® B1X25 G35 S-0031  
(PA6 35% Glass fibre Improved surface Natural)

DINALON® B1X25 G35 S-6116  
(PA6 35% Glass fibre Improved surface Green)



# Successful challenges\_4

## Case: Trolley Wheels with electrostatic dissipation

Country: Germany

Challenge: to get a conductive material based on Technical Polyamide in order to achieve the unload of the electrostatic charge generated, combined with the specific colour chose by the client.

Application: Wheels

Used for: Trolley

Sector: Industry

REPOL Technical Solution :

DINALON® B1X35 C-7001

(PA6 High Conductivity, RAL-7001)



# Innovative Compounds\_1

REFERENCE	DESCRIPTION	ADVANTAGES	SPECIFICATIONS	GENERIC APPLICATIONS	MARKETS /sectors	PARTS Applications
B1S25 C10-4172	PA6 Dinalon 10% Glass Fibre, Black	GOOD CONDUCTIVITY, GOOD MECANICAL - TECHNICAL PROPERTIES AND COMPETITIVE PRICE	BLACK COLOR	ELECTROSTATIC PAINTING	APPLIANCES AUTOMOTIVE Electronics Textile, Building	REFLECTORS Clycing Shoes Fuel conduits
B1X35 C-7001	PA6 Dinalon High Viscosity, Conductive, Light Grey RAL 7001	LIGHT GREY RAL 7001, GOOD CONDUCTIVITY, GOOD MECHANICAL TECHNICAL PROPERTIES	FROM LIGHT GREY to BLACK COLOUR	ELECTROSTATIC DISSIPATION	INDUSTRIAL	Trolley WHEELS
B9X25 T-9161	PA6 Dinalon Heat Conductive	HEAT CONDUCTIVE, COLOURS, ELECTRICAL ISOLATOR WITH CTI 600V	COMPOUNDS WITH HIGH % OF CHARGE, NOT SUITABLE FOR PARTS BELOW 2MM THICKNESS.	HEAT SINK	AUTOMOTIVE, Cooling systems (Railway) Appliances Eletronics Agronomy	U Profile coils, heat sink, Lamp cases.

# Innovative Compounds\_2

REFERENCE	DESCRIPTION	ADVANTAGE S	SPECIFICATIO NS	GENERIC APPLICATIONS	MARKETS Sectors	PARTS Applications
B2X40 NS1 EH-0101	PA6 Dinalon High Viscosity Nanocomposite , Alimentary use, Heat Stabilized, Natural	PA & ELASTIC, HIGH CO2 BARRIER; BLOW MOULDING; COLOURED	COLOUR NATURAL; YELLOWED	CHAMPAGNE STOPPER. BLOWED BOTTLES FOR ANTIBIOTICS (autoclave; UV radiation)	FOOD / MEDICAL PHARMACEUTI CAL	BOTTLE STTOPER. Blow Moulding Bottles Cosmetics
A1S25 G45 H- 0007	PA6.6 Dinalon 45% Glass Fibre, Heat Stabilized, Natural.	PA WITH HIGH TENSILE MODULUS, COLOURED		PARTS THAT NEED HIGH STRESS RESSISTANT	MINNIG , BUILDING	MINNING BOLTS Formwork Parts Hooks

# Innovative Compounds\_3

REFERENCE	DESCRIPTION	ADVANTAGES	SPECIFICATIONS	GENERIC APPLICATIONS	MARKETS /sectors	PARTS Applications
PPC1X15 E-0106	PP Copolymer Dinaplen, Magnetic, Food Contact Approval, Natural	MAGNETICS; DETECTABLE BY METAL SEPARATOR	NATURAL COLOUR: DARK GREY. AVAILABLE IN A WIDE RANGE OF COLOURS.	MAGNETIC REMOVAL OF PLASTIC FRAGMENTS TO AVOID CONTAMINATION	FOOD / TOYS Textile / Leasure Pharmacy	ENDLESS CHAIN Twisted SWITCH to active- desactivea mechanism. Magnet conectors. Food containers Fasteners (ties)
B1X25 E-3134	PA6 Dinalon, Magnetic, Food Contact Approval, Red					

# Grupo Repol: *LOOK AT ME,...MEET ME*

**We cultivate our relations beyond client-supplier!**

**Our goal is to give a personalised answer to customer needs:**

- an efficient service, logistic solutions, wherever you are, and always with a strength relationship.
- We invite you to meet us:

Grupo Repol  
Calle Agricultura 5  
12550 Almazora  
Castellón – Spain

[www.repol.com](http://www.repol.com)

Phone number: 902 292 292/+34 964 560 283

Fax: +34 964 563 901

E-mail: [info@repol.com](mailto:info@repol.com)

Sales: [export@repol.com](mailto:export@repol.com)

Engineering Plastic Solutions



Grupo Repol

# Humanizing Plastics



Engineering Plastic Solutions

 Grupo Repol