

DINALONÒ TOUGHENED ENGINEERING PLASTICS

In recent years, the plastics industry has increased the consumption of toughened materials, to accommodate the need for flexible fatigue and impact resistant engineering polymers. Grupo Repol is fully prepared for the demands for rugged polyamides offering a wide range of impact modified materials available under the DINALONÒ brand.

High Impact materials

At the top of the range are the crafted rubber “Super Tough” polyamides, which combine maximum impact strength and flexibility with optimum flow properties and mould release. These materials are engineered with high levels of cutting-edge reactive impact resins and are available with both PA6 and PA66 base. The DINALONÒ High Impact products are offered in a complete range of colours and produced also as fibre reinforced compounds.

The high impact modified materials widens the possibility to produce high performance parts, such as super rugged cable ties, snap locks and power tools casings. The high impact DINALONÒ polyamide is also perfectly suited for variety of low temperature toughness applications ranging from cooling agent valves to snow board bindings.

General purpose toughness (medium Impact)

For the applications where a higher level of rigidity is required along with the impact resistance, Grupo Repol offers DINALONÒ Medium Impact modified polyamides. These resins are perfectly suited for general purpose toughness applications where the parts are exposed to mechanical stress or movement.

The DINALONÒ medium impact range thus offers the impact resistance of the reactive modifier with limited influence on natural rigidity of the base polyamide.

Dry impact modification

To complete the range of impact modified polyamides, Grupo Repol offers the DINALONÒ Dry-Impact materials. These materials have been developed for applications demanding some degree of impact resistance combined with low viscosity, including thin-walled injection parts. The Dry-Impact resins offer impact properties of a 100% relative humidity material while being dry-as-moulded.

For further information on toughened polyamides please contact Grupo Repol.