COMPANY MILESTONES

1990 - 96
Patents filed by Pisa University
1997 - 02
Polymers grafting on industrial scale
New plant start-up
Cooperation with E&V to develop Italian market
2002 -10
ISO 9001/14001 Certifications
Doubled installed compounding capacity
2011-17
Acquisition by E&V Group
Sales network and product range broadening
Capacity expansion
2018 -
Industry 4.0 adoption
ISO 45001 Certification
International markets growth

POLYMER

- Compoline CO/PA 03 ☐
- Compoline CO/PA 02 ☐
- Compoline CO/PA 01 ☐
- Compoline CO/PA BL2R ☐
- Compoline CO/PA UL ☐
- Compoline CO/PA BA ☐
- Compoline CO/PA BA11 ☐
- Compoline CO/PA 330F ☐
- Compoline CO/PA 160H ☐
- Compoline CO/PA PL01 ☐

TIE - LAYER

- Compoline CO/LA SV16 ☐
- Compoline CO/LA SV225 ☐
- Compoline CO/LA MF ☐
- Compoline CO/LA ST1011 ☐
- Linebond LB/1 ☐
- Linebond LB/2 ☐

MATRIX

- Compoline CO/PP H60 ☐
- Compoline CO/PP H60LV ☐
- Compoline CO/PP C55 ☐
- Compoline SEBS-MA01 ☐
- Compoline CO/UL05 ☐
- Compoline CO/UL series ☐
- Compoline CO/LL series ☐
- Linewood LW series ☐
- Bioprocess ☐

AUSER POLIMERI

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AUSER POLIMERI

AUSERPOLIMERI FOR THE GLOBAL MARKET

Auserpolimeri, an Italian company part of the **Eigenmann&Veronelli Group**, specialized in **grafting maleic anhydride** and in **chemical modification of polyolefins** and other polymer matrices. Thanks to synergies with E&V technical -marketing network, Auserpolimeri has gradually taken on an international scope and currently exports its products to **over thirty countries** worldwide. While developing its international presence, Auserpolimeri has strengthened its focus on **technology and innovation**, with a particular view on providing quality **technical support** as well as continuously developing new products. The production facilities span an area of more than **6,000 sq. m.** and include a quality control lab, a research & development and prototyping unit with pilot extrusion lines.

APPLICATIVE AREAS

POLYMER

- Impact modifiers for polyamides and engineered plastics.
- Performance modifiers for engineering plastics.
- High performance barrier compounds (O, HO, fuel, etc).
- Hot melt adhesion promoters.
- Performance modifers for biopolymers.

Compoline **CO/PA** is Auserpolimeri line of impact modifiers for engineered plastics such as polyamides (nylon 6 and nylon 66), polyesters (PET, PBT) and PC-ABS blends, guaranteeing enhanced thermo-mechanical performance even at very low temperatures (-50 °C). Compoline **CO/PA** offers a wide range of elastomeric and copolymer-based polyolefin compounds modified with maleic anhydride, with extensive applications in the automotive and energy sectors. Thanks to its maleic anhydride content, every Compoline **CO/PA** grade is a dispersing agent for inorganic fillers such as fibreglasses in the production of composites while compounding with nylon. For wet or partially degraded polyamides, such as those from industrial waste, certain grades of Compoline **CO/PA** also act as processing aids, melt strength enhancer agents and stabilizers.

TIE-LAYER

- Multilayer composite pipes.
- Plastic/Rubber to metal bonding.
- Aluminum Composite Panels (ACP).
- Textile lamination.

The Compoline **CO/LA** line is our range of adhesives and adhesion promoters, featuring enhanced thermal stability during and after processing, as well as throughout the aging cycles. Their excellent adhesion to metals make Compoline **CO/LA** an ideal tie-layer in multi-layer systems (PERT/Alu/PERT, PEX/Alu/PEX and PE/EVOH pipes) with applications to floor heating, water distribution networks, and the oil & gas sector. The Compoline **CO/LA** products are also used in pipe coatings where they guarantee perfect adhesion between epoxy resin coated steel pipes and the protective layer of polyolefin (PE or PP) which is required for oil, fuel and gas transportation. Auserpolimeri maleic-based adhesives may also be co-extruded for the production of other multi-layer structures, such as, for example, Aluminum-based composite panels (ACP) for the building sector.

MATRIX

- Coupling agents in HFFR.
- Compatibilizers for overmoulding.
- Coupling agents for GF filles PP, HDPE.
- Compatibilizers for HP polymeric alloys.
- Compatibilizers for polymer recycling.
- Coupling agents in rubber compounds.
- Coupling agents in WPC.

The **CO/UL**, **CO/LL** and **CO/PP** Compoline grades are especially designed additives for stabilizing blends of heterogeneous polymeric systems through the modification of interfacial properties. **CO/UL**, **CO/LL** and **CO/PP** Compoline are made from unique compounds of functionalized polyolefins including PE, PP and block copolymers of different chemical nature. The blocks confer miscibility to two initially incompatible phases, while the maleic effects guarantee a stable and workable blend. **CO/UL** and **CO/LL** additives can be employed as high performance compatibilizer for incompatible polymeric blends. Other typical applications are as compatibilizers for:

- Halogen Free Flame Retardant (HFFR) compounds;
- PE - or PP-based Wood Plastic Composites (WPC);
- compounds based on inorganic fillers.