

Padanaplast



**Team work is
our power**

Padanaplast is world leader in Sioplas® PEX compounds for pipe applications and among the leaders in Halogen Free Flame Retardant, both thermoplastic & silane crosslinkable (XL), XL-Elastomer and XLPE compounds for cable applications.

Founded in 1971 as a family business company, Padanaplast was, in 1978, one of the first producers of Silane Crosslinked Polyethylene and in 1982 began to produce HFFR (LS0H) compounds. The Company decided in 1990 to leave the PVC market, in order to concentrate its resources in the development of high performance compounds: **POLIDAN®**, **POLIDIEMME®**, **COGEGUM®** and **COGEFILL**. In 2000 Padanaplast becomes part of the Solvay Group.

With a range of more than 40 products, Padanaplast is able to satisfy its worldwide customers' requirements and specifications and to produce tailor-made compounds.



**Padanaplast,
soul for cables,
heart for pipes,
compounds for life**

SOLVAY PADANAPLAST S.p.A.

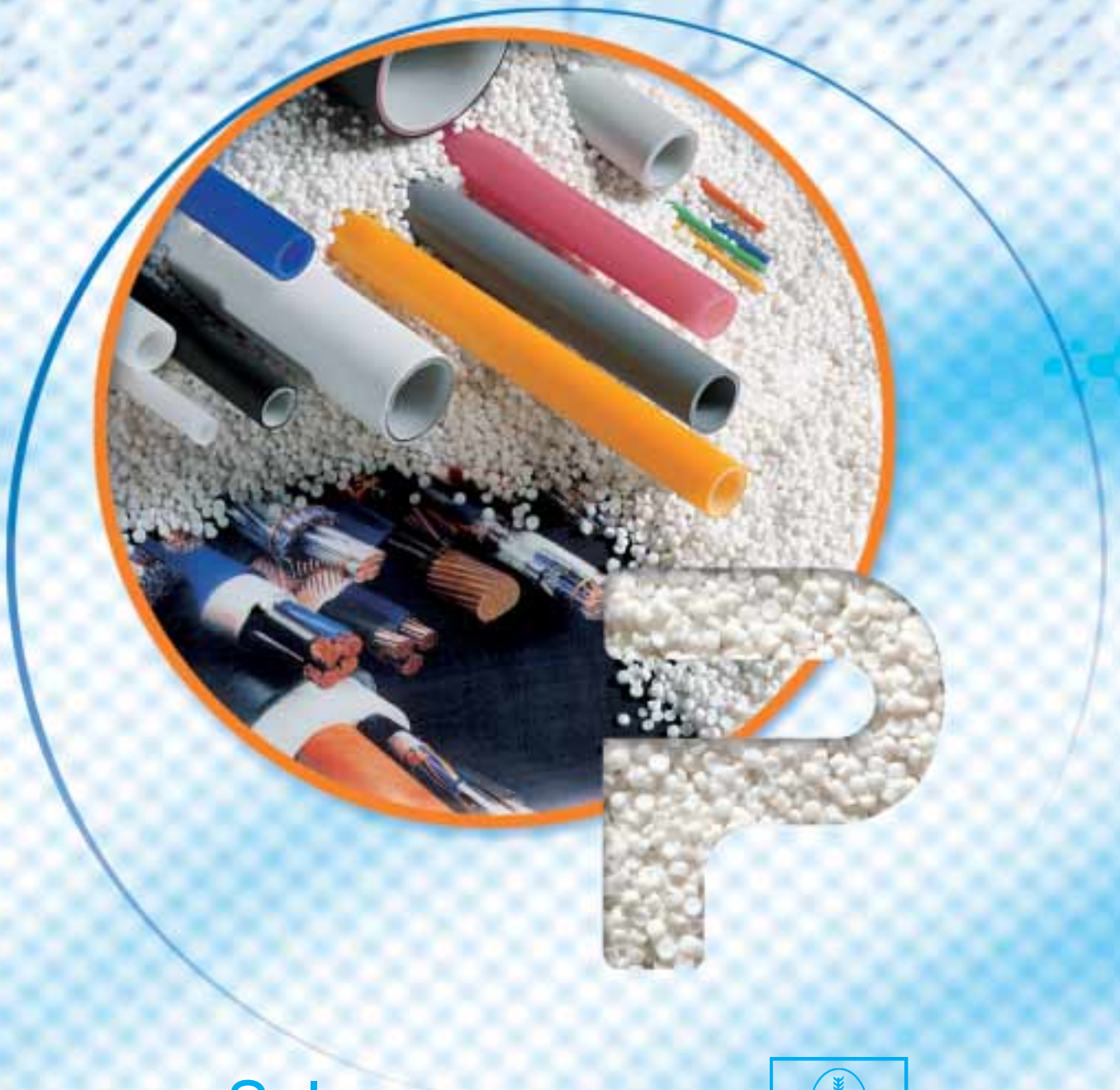
Via Paganina, 3
43010 Roccabianca (Parma), Italy
Phone +39.0521.5291
Fax +39.0521.870427

E-mail: info.padanaplast@solvay.com

Internet: www.padanaplast.com
www.solvayplumbing.com
www.solvayplastics.com



a Passion for Progress®



Solvay
Padanaplast



The Solvay Group



The Solvay Group operates in the chemical, plastic, processing and pharmaceutical sector in 50 countries world-wide, and has 400 offices and plants.

These fields cover at least 15 markets:

- Health
- Building, Engineering
- Car Industry
- Widely Used Consumer Goods
- Packaging
- Glass Industry
- Chemical Industry
- Detergents, Environmental Products
- Water Treatment, Environment
- Paper Industry
- Electricity, Electronics
- Food and Zootechnical Industry
- Refrigeration
- Textile Industry
- Energy Industry

Its main activities are concentrated in four fields:

- pharmaceutical
- chemicals
- plastic materials
- processing



Process

Process

Today Padanaplast, with its highly technological advanced production, is able to develop very valuable and innovative compounds.

Complete automated process from compounding to packaging



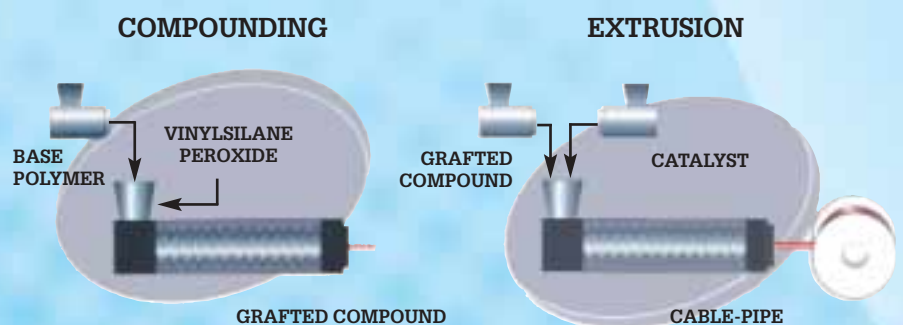
Thanks to its nine production lines, Padanaplast is able to guarantee on time delivery.



The Sioplas® system provides with many advantages finished products manufactured by Padanaplast customers

- Low capital and energy costs
- High production rates
- Simplified process control
- Wider scope for formulation
- Less scrap is produced on starting up and shutting down the machines
- Advantage in the production of relatively short pipe/cable lengths
- Broad processing window
- Better ageing behavior

Production of the silane crosslinked polymer compounds and final product extrusion



Products

Products



Our customers can rely on a large range of highly technological products

POLIDAN®: Silane Crosslinkable PE based compounds (Sioplas® system) for power cables and pipes.

POLIDIEMME®: Silane Crosslinkable Elastomer based compounds (Sioplas® system) for power and high flexible special cables.

COGEGUM®: Halogen Free Flame Retardant Thermoplastic and silane crosslinkable compounds (Sioplas® system) for special, communication and power cables.

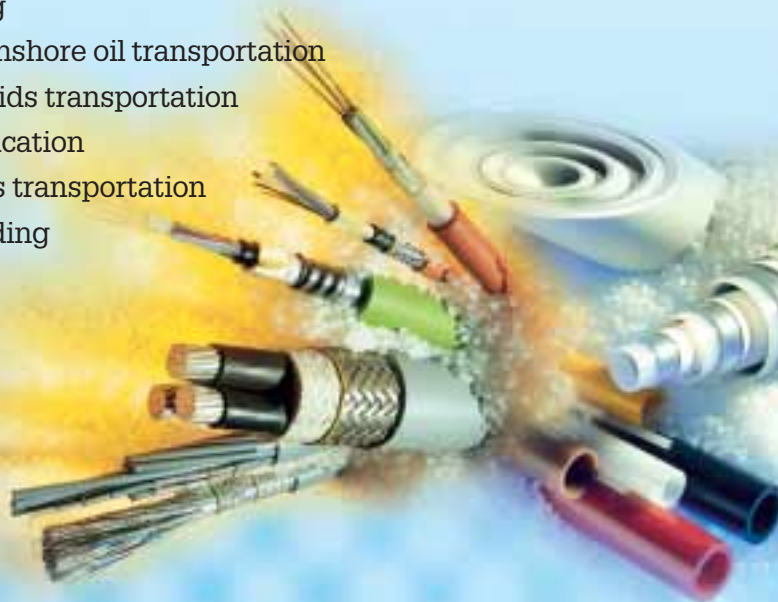
COGEFILL: Halogen Free Flame Retardant thermoplastic bedding compounds for power cables.

Padanaplast **cable compounds** are employed in

- Power cables; insulation and sheathing
- Communication cables; data transmission and optical sector
- Special cables; allowing high flexibility, high working temperature and fire resistance

Padanaplast **pipe compound** applications

- Sanitary and heating systems
- Underfloorheating
- District heating
- Offshore and onshore oil transportation
- Automotive fluids transportation
- Industrial application
- Chemical fluids transportation
- Injection moulding



Markets

Markets

Padanaplast is one of the first companies in the world to produce special compounds, thanks to the strong cooperation and trust that we share with our clients, the most important producers of cables and pipes.



Indeed, we export in more than fifty countries in the world and we are able to satisfy any customer's need through our national office and international structure.

Thanks to our know-how, strengthened by 25 years of experience in PEX compound manufacturing, Padanaplast is the leader in the pipe market and one of the most important producers of compounds for cables.



**Crosslinkable
Solutions
Leading
the Future**

High Quality

- 1994 UNI EN ISO 9002 Certificate
- 1996 Certification for the product Polidan T/A Polidan® Pex System granted by American Certification body NSF International
- 1998 UNI EN ISO 9001
- 2003 ISO 9001: VISION 2000

Technical Service

- Prompt, competent and efficient technical assistance
- Reliable teams made up by experienced and dynamic people

Research and Development

Research and Development



A combination of manual operator ability, technological equipment and simulation plants that support research and quality control

Since Padanaplast views its department of Research and Development as a strategic sector, the Company allocates considerable resources and investments to its growth. Especially important is the pilot line, that has been installed in order to develop new materials, and two extrusion lines for analysis and control on our products.



A fully equipped laboratory guarantees research and verification of consistency of our compound quality. Furthermore, Padanaplast benefits from the Solvay Group experience and technology through the support of Solvay RD & T Centre.

Experience and Innovation

- Strong expertise and deep knowledge in the newest technologies
- Innovative solutions developed in partnership with our customers and suppliers

