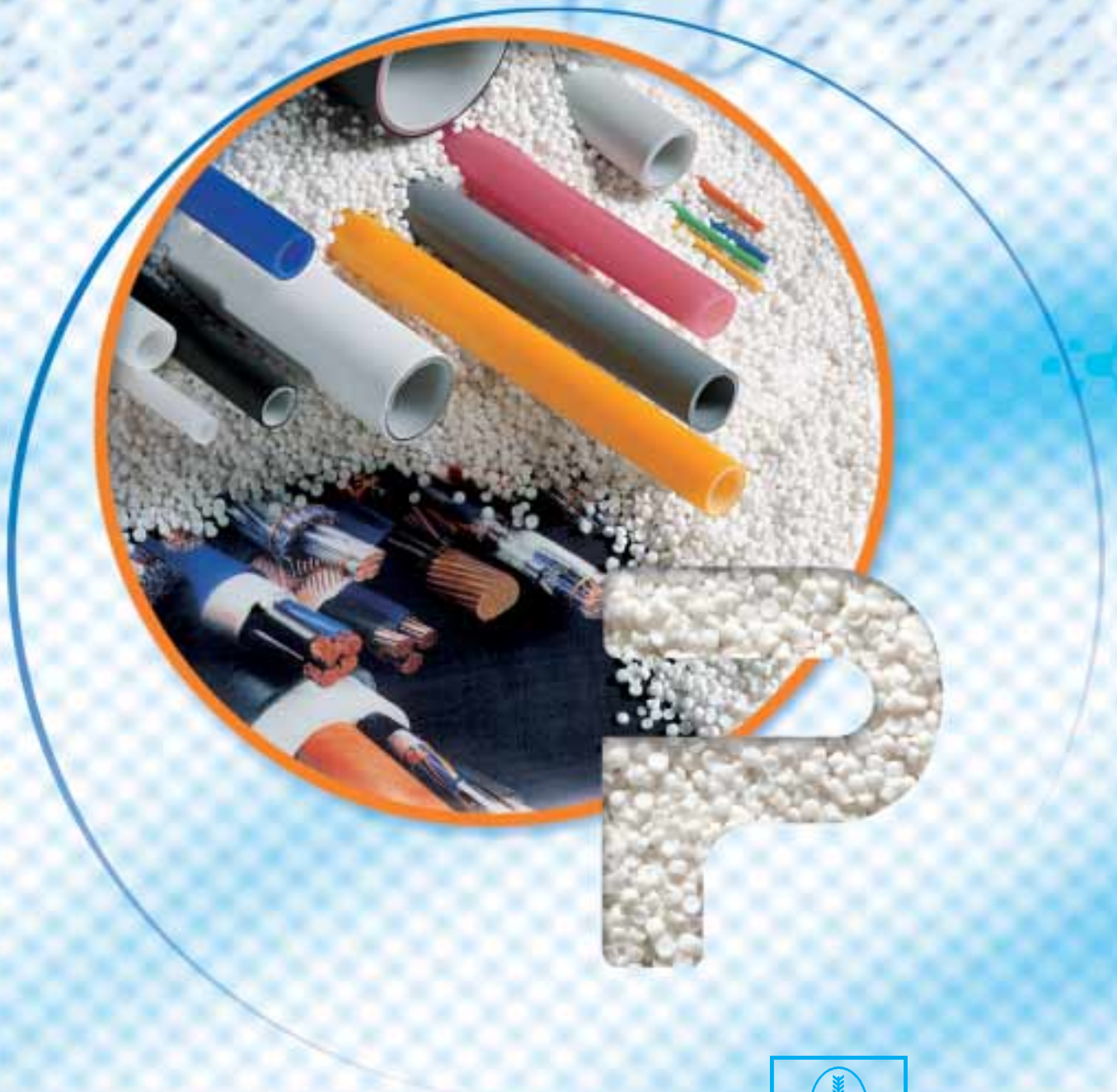




*Padanaplast*



**Padanaplast**



**SOLVAY**



# The Solvay Group



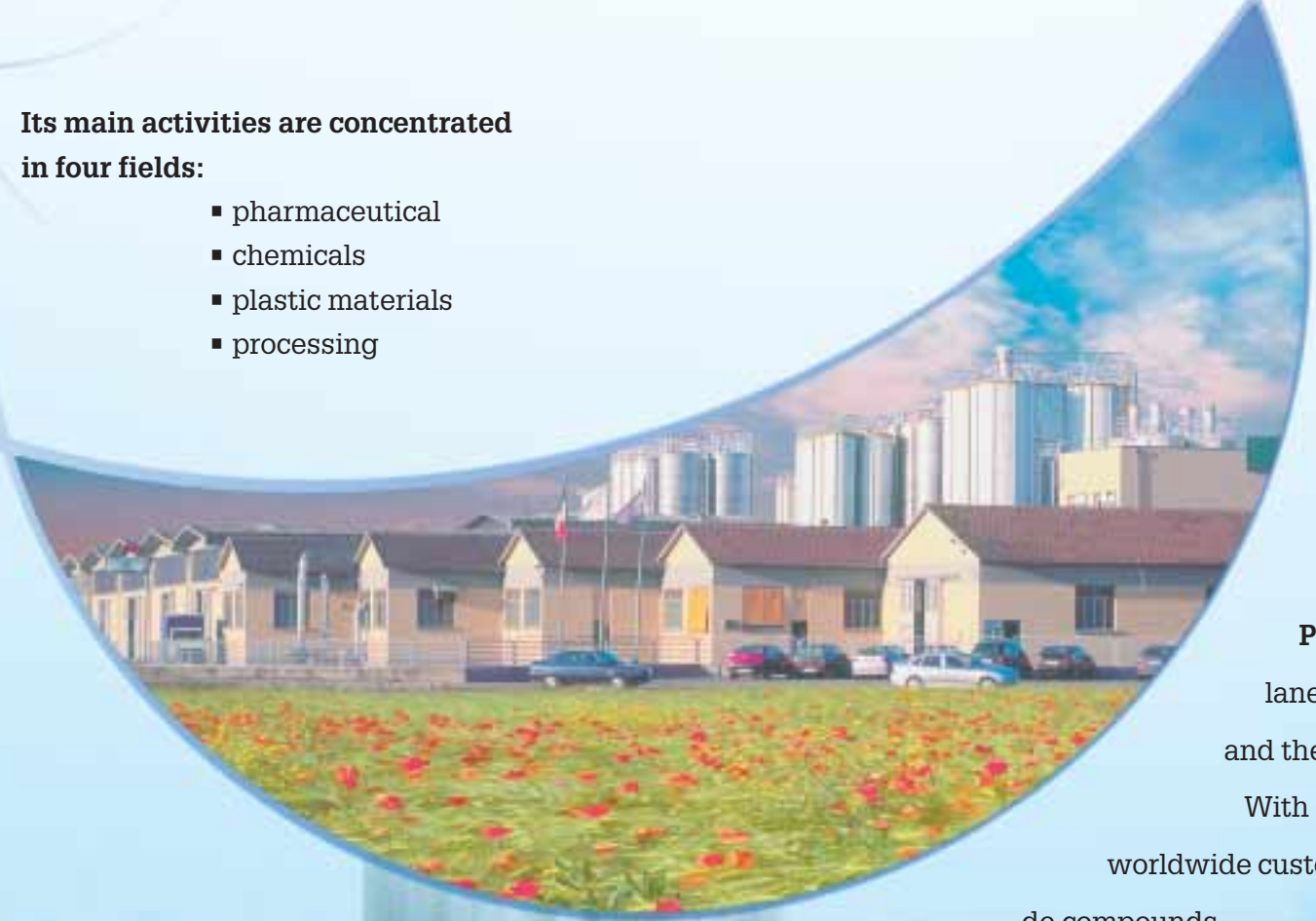
The Solvay Group operates in the chemical and pharmaceutical sector in 50 countries worldwide, and has 400 offices and plants.

### 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



# Padanaplast



## Team work is our power

Padanaplast, leader in the market of compounds based on silane crosslinked polyethylene, according to the system Sioplas<sup>®</sup>, became part of Solvay Group in 2000.

Funded in 1971 as a PVC family business company, Padanaplast was, in 1978, one of the first producer of Silane Crosslinked Polyethylene and in 1982 began to produce HFFR compounds. The Company decided in 1990 to leave the PVC market, in order to concentrate its resources on the development of more technologically specialised compounds: **POLIDAN<sup>®</sup>**, **POLIDIEMME<sup>®</sup>**, **COGEGUM<sup>®</sup>** and **COGEFILL**. The silane crosslinked polyethylene compounds are today used in the cable and the pipe industry.

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



# 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**

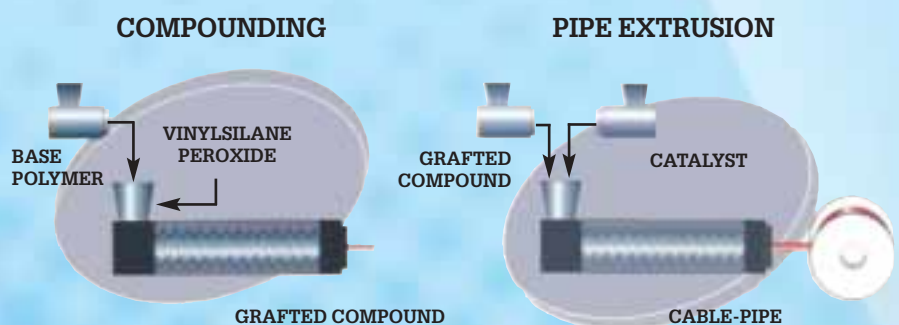


Thanks to its eight production lines, Padanaplast is able to guarantee on time delivery.

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 scraps is produced on starting up and shutting down the machines
- Advantage in the production of relatively short pipe 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 EPR based compounds (Sioplas® system) for power cables.

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

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

Padanaplast **cable compounds** are employed in

- Power cables for low voltage installation and special applications up to 10kv
- Communication cables for telecommunication, data transmission and optical sector

Padanaplast **pipe compound** applications

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



# Markets

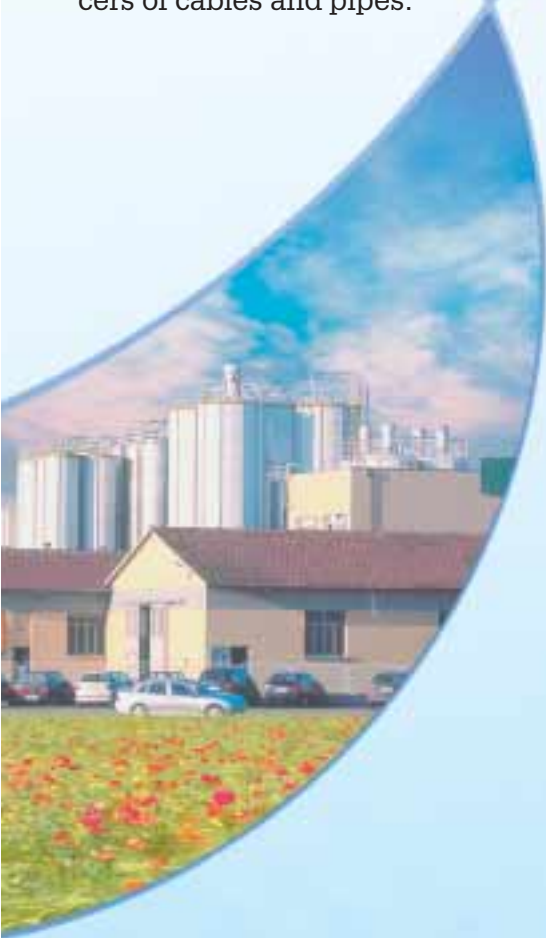
## Markets

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



In fact, 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.

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



## 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

## 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

Laboratory

Since Padanaplast views its department of Research and Development as a strategic sector, the Company allocates considerable resources and investments to its growth. Very important are the Buss 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



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

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