ETINOX

PVC suspension resins

Ercros

Ercros, the leading basic chemicals company in Spain

We manufacture PVC suspension resins in Vila-seca (Tarragona) using our own chlorine, EDC and VCM.

Polyvinyl chloride (PVC) is a thermoplastic polymer derived from the monomer vinyl chloride (VCM).

PVC is the most versatile plastic because it can be processed using various transformation technologies such as extrusion, calendering, injection moulding, and blow moulding.

Thanks to its excellent properties, it has numerous applications —both rigid and flexible—in a wide range of industries, including construction, automotive, consumer goods, and healthcare.

The main applications include:

- Pipes and fittings for water distribution.
- Profiles for windows, doors, shutters, and furniture.
- Sheets for waterproofing roofs and swimming pools.
- Cables and electrical materials.
- Flooring and wall coverings.
- Flexible hoses.
- Food-grade films.
- Blood bags, medical tubing, and pharmaceutical packaging.

Characteristics and applications

Grade	K value	Characteristics	Applications
	UNE-EN ISO 1628/2		
ETINOX E-610	57-59	• Low molecular weight • Good melting behaviour at low temperatures • High machine productivity • Good thermal stability • Free from inclusions • Excellent initial colour • High transparency	• Manufacturing of rigid and semi-rigid products • Transparent rigid films and sheets • Fittings and electrical boxes • Compact or foamed profiles • Bottles and packaging
ETINOX E-630	63-65	• High porosity • Good mechanical properties • Excellent plasticizer absorption • Good flowability and rapid gelation • Excellent initial colour and high transparency • Good thermal stability and free from inclusions	• Manufacturing of rigid, semi-rigid, and flexible products • Plasticized injection moulding • Profiles • Flooring • Flexible granules • Calendered sheets • Medical materials
ETINOX E-630 P	63-65	• Good mechanical properties • Excellent melting behaviour • Outstanding melt flowability • High bulk density • High machine productivity • Excellent initial colour • Good thermal stability	• Manufacturing of rigid and semi-rigid products • Rigid exterior profiles • Shutters • Rigid flooring • Edge Band for furniture • Profiles for electrical cable conduits
ETINOX E-631 **ETINOX E-631 P**	67-69	• High molecular weight • Good mechanical properties • Excellent melting performance at low temperatures • High bulk density • High machine productivity • Excellent initial colour • Good thermal stability	• Sewage pipes • Drainage pipes • Pressurized potable water pipes • Oriented pipes • Window frame profiles
ETINOX E-650	69-71	• High molecular weight • High porosity • Good mechanical properties • Excellent plasticizer absorption • Good initial color • Good thermal stability • Transparency and free from inclusions	• Manufacturing of electrical cable coverings and insulation • Medical materials • Compounds • Shoe injection moulding • Plasticized profiles and hoses • Waterproofing membranes

Specifications

Grade	K value	Specific viscosity*	Apparent density	Granulometry		Volatiles				
	UNE-EN ISO 1628/2	UNE-EN ISO 1628/2	UNE-EN ISO 6	UNE-EN ISO 4610		UNE-EN ISO 1269				
	—	—	g/cm³	Size < 63 µm %	Size > 250 µm %	%	VCMr	Injection	Extrusion	Calendering
ETINOX E-610	57-59	0.309-0.332	≥ 0.540	≤ 3	≤ 3	≤ 0.3	< 1 ppm	√	√	√
ETINOX E-630	63-65	0.380-0.406	≥ 0.470	≤ 3	≤ 3	≤ 0.3	< 1 ppm	√	√	√
ETINOX E-630 P	63-65	0.380-0.406	≥ 0.550	≤ 3	≤ 3	≤ 0.3	< 1 ppm	—	√	—
ETINOX E-631 **ETINOX E-631 P**	67-69	0.434-0.461	≥ 0.540	≤ 3	≤ 3	≤ 0.33	< 1 ppm	—	√	—
ETINOX E-650	69-71	0.461-0.491	≥ 0.460	≤ 3	≤ 3	≤ 0.3	< 1 ppm	√	√	√

* 0.4 g of resin in 100 cm³ of cyclohexanone at 25° C.

ESG Criteria (environmental, social and governance)

ESG is a fundamental pillar of our corporate strategy. In the plastics business, we have ambitious goals to help combat the climate crisis through the decarbonization of our operations.

We voluntarily adhere to the ECVM Industry Charter, which aims to reduce environmental impact and improve the eco-efficiency of VCM and PVC production. Additionally, we are members of VinylPlus, an organization that promotes sustainability across the entire PVC value chain.

Each year, we evaluate the environmental impact of our production processes to determine the carbon footprint of our resins using standardized life cycle assessment (LCA) methodologies.

We are certified under the European Operation Clean Sweep (OCS) program, ensuring control over accidental microplastic losses.

Our factories operate under internationally recognized environmental certification standards that ensure our activities respect the environment, such as ISO 14001, ISO 50001, and ISO 14064. They are also registered in the European EMAS (Eco-Management and Audit Scheme) environmental management system.

PLATINUM Top 1% ecovadis Sustainability Rating

Excellence Responsible Care CSR COMPANY

ecvm vinyl plus

Operation Clean Sweep

AENOR QUALITY MANAGEMENT ISO 9001 ER-1217/2008

AENOR ENVIRONMENTAL MANAGEMENT ISO 14001 GA-2008/0507

Sales team

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