



Product	AENOR certification according to	Specific Rules (RP)	Test
Compound of Polyethylene for the manufacturing of pipes for supply of water	UNE-EN 12201-1	01.36	<ul style="list-style-type: none"> Density Melt flow index Volatile content Carbon black or pigment content and dispersion Oxidation induction time Resistance to rapid crack propagation and slow Tensile strength and failure mode of test pieces from a butt-fused joint Exposure to direct natural weathering (only blue)
Polyethylene (PE) pipes for water supply, drainage and sewerage under pressure	UNE-EN 12201-2	01.01	<ul style="list-style-type: none"> Tensile properties: elongation Melt flow index Oxidation induction time Resistance to internal pressure
Polyethylene (PE) fittings for water supply, and for drainage and sewerage under pressure	UNE-EN 12201-3	01.70	<ul style="list-style-type: none"> Melt flow index Oxidation induction time Resistance to internal pressure 20°C 100 h Resistance to internal pressure 80°C 165 h Resistance to internal pressure 80°C 1000 h Tensile strength and failure mode of test pieces from a butt-fused joint Impact resistance of an assembled tapping tee Crushing decohesion test (only electrofusion assemblies)
Plastics piping systems. Mechanical joints between fittings and polyolefin pressure pipes	UNE-EN 12201-5	01.29	<ul style="list-style-type: none"> Resistance to internal pressure with or without bending Resistance to pull-out Resistance to external pressure
Low density polyethylene pipes for irrigation systems	UNE 53367	01.13	<ul style="list-style-type: none"> Resistance to internal pressure Carbon black content and dispersion Melt flow index Determination of tensile properties: elongation Resistance to cracking Stress Cracking Oxidation induction time Longitudinal reversion
Unplasticized poly(vinyl chloride) (PVC-U) - Pipes and Fittings for water supply and for buried and above-ground drainage and sewerage under pressure	UNE-EN ISO 1452-2 UNE-EN ISO 1452-3	01.57 01.30	<ul style="list-style-type: none"> Impact resistance Opacity Resistance to internal pressure VICAT softening temperature Longitudinal reversion Chemical characteristics (residual vinyl chloride monomer) Resistance to methylene chloride Leaktightness of joints Assemblies for the conveyance of fluids. Determination of the resistance to internal pressure
Adhesives for thermoplastic piping systems for fluids under pressure	UNE-EN 14814	01.65	<ul style="list-style-type: none"> Determination of shear strength (480h + 96h) Determination of shear strength (24h) Determination of shear strength (1h) Resistance to pressure (1000 h) Conservation period Thermal stability (only PVC Adhesives) Density Solids content Viscosity Film properties
Oriented unplasticized poly (vinyl chloride) (PVC-O) pipes) for the conveyance of water under pressure	UNE-ISO 16422	01.53	<ul style="list-style-type: none"> Opacity Impact resistance Leaktightness of joints Ring stiffness Tensile test Resistance to internal pressure Leaktightness and strength while subjected to bending and internal pressure
Glass-reinforced thermosetting plastics (GRP) based on unsaturated polyester resin (UP) pipes for drainage and sewerage with or without pressure	UNE-EN 14364 UNE-EN 1796	01.48	<ul style="list-style-type: none"> Opacity Impact resistance Initial circumferential tensile strength Initial Leaktightness of pipes Initial resistance of failure Initial specific ring stiffness Long-term specific ring stiffness Resistance to internal pressure Long-term resistance to failure Resistance to strain corrosion Joint behaviour

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