

Alma rigid PVC (PVC-U) pipes for cable protection. They are made of polyvinyl chloride with high-quality additives, with smooth inner and outer walls, orange color and with continuous and indelible marking.

The pipes are manufactured by a factory certified according to the management system by an accredited third-party organization: Quality, according to UNI EN ISO 9001:2008.

MARKING : ALMA PVC-U DN Øxxx EP FOURREAU DATE ET HEURE

Characteristics of the pipe	
External Nominal Diameter DN/OD (mm)	1 10
Minimum external diameter (mm)	110
Maximum external diameter (mm)	110,4
Thickness emin (mm)	2,2
Thickness emax (mm)	2,5
Annular stiffness	2KN/mq
Standard Production Color	Terracotta RAL8023
Junction type	TO GLUE
Bar Length	6 meters

Mechanical characteristics of the pipe	
Drop mass impact test	Not more than 3 broken test pieces out of 12 test pieces
Tensile test	Maximum stress R \geq 45 MPa Elongation at break (Lr - L0) / 100 \geq 100%

Physico-chemical characteristics of the pipe	
Ultraviolet radiation accelerated aging test	After exposure d 300 h to radiation: Perform tensile test: Maximum stress R \geq 45 MPa Elongation at break (Lr - L0) / 100 \geq 100%
Vicat softening temperature	\geq 78 C°
Longitudinal hot shrinkage at 150 C°	No longitudinal dimensional variation greater than 4% Initial appearance of the tube unchanged after the test
Density	1370 Kg/m ³ \leq Mv \leq 1460 Kg/m ³

Characteristics of the resin		
Density	g/cm ³	\approx 1,5
Mean coefficient of linear thermal expansion	Mm/mK	\approx 0,08
Thermal conductivity	W/mK	\approx 0,16
Surface resistance	Ω	> 1012
Modulus of elasticity	MPa	\geq 3200
Reaction to fire class	---	M1

DESCRIPTION

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MARKING : ALMA PVC-U DN Øxxx EP FOURREAU DATE ET HEURE

Characteristics of the pipe	
External Nominal Diameter DN/OD (mm)	160
Minimum external diameter (mm)	160
Maximum external diameter (mm)	160,4
Thickness emin (mm)	3,2
Thickness emax (mm)	3,8
Annular stiffness	2KN/mq
Standard Production Color	Terracotta RAL8023
Junction type	TO GLUE
Bar Length	6 meters

Mechanical characteristics of the pipe	
Drop mass impact test	Not more than 3 broken test pieces out of 12 test pieces
Tensile test	Maximum stress R \geq 45 MPa Elongation at break (Lr - L0) / 100 \geq 100%
Physico-chemical characteristics of the pipe	
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Mean coefficient of linear thermal expansion	Mm/mK \approx 0,08
Thermal conductivity	W/mK \approx 0,16
Surface resistance	Ω $>$ 1012
Modulus of elasticity	MPa \geq 3200
Reaction to fire class	---