

DESCRIPTION

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) | 110 |
| 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 |

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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 $(L_r - L_0) / 100 \geq 100\%$ | |
| 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 $(L_r - L_0) / 100 \geq 100\%$ | |
| Vicat softening temperature | ≥ 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 | $1370 \text{ Kg/m}^3 \leq M_v \leq 1460 \text{ Kg/m}^3$ | |
| Characteristics of the resin | | |
| Density | g/cm ³ | ≈ 1,5 |
| Mean coefficient of linear thermal expansion | Mm/mK | ≈ 0,08 |
| Thermal conductivity | W/mK | ≈ 0,16 |
| Surface resistance | Ω | > 1012 |
| Modulus of elasticity | MPa | ≥ 3200 |
| Reaction to fire class | --- | M1 |