

ELTEX[®] TUB124N2025

Product Technical Information

ELTEX[®] TUB124N2025 is a high-density polyethylene copolymer designed for the extrusion of large diameter pipes for water applications. It is classified PE100 in accordance with ISO 12162 based on ISO 9080 analysis.

Characteristics

- Blue PE100 (RAL 5002) pipe compound

Applications

- Drinking Water

| Properties | Conditions | Test Methods | Values | Units |
|---|--|--------------|--------|-------------------|
| Rheological | | | | |
| Melt Flow Rate | 190°C/5 kg | ISO 1133-1 | 0.3 | g/10min |
| Physical | | | | |
| Density | pigmented, 23°C, conditioning ISO 17855-1 | ISO 1183-1 | 950 | kg/m ³ |
| Thermal | | | | |
| Oxidation Induction Time (OIT) | 210°C | ISO 11357-6 | >20 | min |
| Pigmentation | | | | |
| Pigment Dispersion | | ISO 18553 | <3 | Grade |
| Mechanical | | | | |
| Tensile Strength at Yield | 23°C, 50 mm/min | ISO 527-2 | 25 | MPa |
| Tensile Strain at Break | 23°C, 50 mm/min | ISO 527-2 | >350 | % |
| Tensile Modulus | 23°C, 1 mm/min | ISO 527-2 | 1100 | MPa |
| Vicat Softening Temperature | Under 1kg | ISO 306 | 127 | °C |
| Data should not be used for specification work | | | | |

Storage

The product should be stored in a dry and dust free environment at temperature below 50°C. Exposure to direct sunlight should be avoided as this may lead to product deterioration. It is advised to process the product within maximum one year after delivery.