HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Eltex® Superstress™ TUB 124 N6000 Blue

Product Technical Information

Eltex® Superstress™ TUB 124 N6000 is a high-density polyethylene copolymer designed for the extrusion of pressure pipes. It is classified PE 100 in accordance with ISO 12162 based on ISO 9080 analysis.

This PE100 compound providing a step-out performance of increased stress cracking resistance, is designed to allow maximum safety under all installation conditions and reduction of installation costs using no dig trenchless techniques or sandless laying

Characteristics

PE 100 blue pipe compound displaying

- Outstanding resistance to stress cracking
- Very good processability – ideal for thin layer coextrusion

Applications

- Water
- Relining technologies
- Coextruded pipes

Properties	Test Method	Value	Units
Physical			
Density (pigmented)	ISO 1183/A	953	kg/m³
Melt Flow Rate (5 kg/190°C, Condition T)	ISO 1133	0.3	g/10min
Mechanical			
Tensile Strength @ Yield (23°C @ 50 mm/min)	ISO 527-2	25	MPa
Tensile Elongation @ Break (23°C @ 50 mm/min)	ISO 527-2	> 350	%
Tensile Modulus (23°C @ 1 mm/min)	ISO 527-2	1100	Mpa
Notch Pipe Test (80°C and 9,2 bar)	ISO 13479	> 1	year
FNCT (80°C, Arkopal N100, 4N/mm2)	ISO 16770	> 1	year
Point loading test (80°C, Arkopal N100, 4N/mm2)		> 1	year

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Properties	Test Method	Value	Units
Thermal			
VICAT Softening Point (1 kg)	ISO 306	128	°C
Thermal Stability (OIT, 210°C)	ISO 10837	>20	min
Pigmentation			
Pigment Dispersion	ISO 18553	<3	Grade

The values given are typical values measured on the product. These values should not be considered as specifications.

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