

# 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
<b>Physical</b>			
Density (pigmented)	ISO 1183/A	953	kg/m <sup>3</sup>
Melt Flow Rate (5 kg/190°C, Condition T)	ISO 1133	0.3	g/10min
<b>Mechanical</b>			
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/mm <sup>2</sup> )	ISO 16770	> 1	year
Point loading test (80°C, Arkopal N100, 4N/mm <sup>2</sup> )		> 1	year

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

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