

# ELTEX® SUPERSTRESS™ TUB124N6000

## Product Technical Information

**ELTEX® SUPERSTRESS™ TUB124N6000** is a high-density polyethylene copolymer designed for the extrusion of pressure pipes. It is classified PE100-RC in accordance with ISO 12162 based on ISO 9080 analysis. This PE100-RC 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

Blue PE100-RC (RAL 5005) pipe compound displaying

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

## Applications

- Water
- Relining technologies
- Coextruded pipes

Properties	Conditions	Test Methods	Values	Units
<b>Rheological</b>				
Melt Flow Rate	190°C/5 kg	ISO 1133-1	0.3	g/10min
<b>Physical</b>				
Density	pigmented, 23°C, conditioning ISO 17855-1	ISO 1183-1	953	kg/m <sup>3</sup>
<b>Thermal</b>				
Oxidation Induction Time (OIT)	210°C	ISO 11357-6	>20	min
<b>Pigmentation</b>				
Pigment Dispersion		ISO 18553	<3	Grade
<b>Mechanical</b>				
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
Notch Pipe Test	80°C, 9.2 bar	ISO 13479	>1	year
Point loading test	80°C, Arkopal N100, 4N/mm <sup>2</sup>	Hessel test method	>1	year
Environmental stress cracking resistance (FNCT)	80°C, Arkopal N100, 4N/mm <sup>2</sup>	ISO 16770	>1	year
Vicat Softening Temperature	Under 1kg	ISO 306	128	°C

**Data should not be used for specification work**



# ELTEX<sup>®</sup> SUPERSTRESS<sup>™</sup> TUB124N6000

## 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.