

# Eltex® Superstress™ TUB125N6000

High Density Polyethylene Copolymer

INEOS Olefins & Polymers Europe

## Message:

Eltex® Superstress™ TUB 125 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 orange pipe compound displaying

Outstanding resistance to stress cracking

Very good processability - ideal for thin layer coextrusion

### Applications

Gas

Relining technologies

Coextruded pipes

General Information	
Features	High ESCR (Stress Cracking Resistance)
	Copolymer
	Workability, good
Uses	Piping system
	Natural gas transmission and distribution
Agency Ratings	ISO PE 100 ISO 12162 based on ISO 9080 analysis.
Appearance	Orange
Forms	Particle
Processing Method	Pipeline extrusion molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.30	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1100	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	25.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 350	%	ISO 527-2/50
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	128	°C	ISO 306/A

Additional Information	
Density, ISO 1183/A, pigmented: 0.952 g/cm <sup>3</sup> Notch Pipe Test (80°C and 9,2 bar), ISO 13479: > 1 yearFNCT (80°C, Arkopal N100, 4N/mm <sup>2</sup> ), ISO 16770: > 1 yearPoint loading test, 80°C, Arkopal N100, 4N/mm <sup>2</sup> : > 1 yearThermal Stability, ISO 10837, 210°C, OIT: > 20 minPigment Dispersion, ISO 18553: < 3 Grade	

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