

Eltex® Superstress™ TUB124N6000

High Density Polyethylene Copolymer

INEOS Olefins & Polymers Europe

Message:

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

General Information	
Features	Copolymer
	Good Processability
	High ESCR (Stress Crack Resist.)
Uses	Piping
Agency Ratings	ISO PE 100 2
RoHS Compliance	Contact Manufacturer
Appearance	Blue
Processing Method	Coextrusion
	Extrusion
	Pipe Extrusion

Physical	Nominal Value	Unit	Test Method
Density ¹	0.953	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.30	g/10 min	ISO 1133
FNCT ² (80°C)	> 1	yr	ISO 16770
Notch Pipe Test ³ (80°C)	> 1	yr	ISO 13479
Point Loading Test ⁴ (80°C)	> 1	yr	
Thermal Stability - OIT (210°C)	> 20	min	ISO 10837
Pigment Dispersion ⁵	< 3		ISO 18553
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

NOTE	
1.	Pigmented
2.	Arkopal N100, 4 N/mm ²
3.	9.2 bar
4.	Arkopal N100, 4 N/mm ²
5.	Grade

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