

# Eltex® TUB121N3000

High Density Polyethylene Copolymer

INEOS Olefins & Polymers Europe

Message:

Eltex® TUB 121 N3000 is a high-density polyethylene copolymer designed for the extrusion of large diameter pressure pipes. It is classified PE 100 in accordance with ISO 12162 based on ISO 9080 analysis.

Characteristics:

PE 100 Black pipe compound

Applications:

Gas

Water

Industrial

General Information	
Features	Copolymer
	High Density
Uses	Industrial Applications
	Natural Gas Distribution
	Piping
Agency Ratings	ISO PE 100 ISO 12162 based on ISO 9080 analysis
RoHS Compliance	Contact Manufacturer
Appearance	Black
Processing Method	Extrusion
	Pipe Extrusion

Physical	Nominal Value	Unit	Test Method
Density <sup>1</sup>	0.960	g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.25	g/10 min	ISO 1133
Carbon Black Content	2.0 to 2.5	%	ISO 6964
Carbon Black Dispersion <sup>2</sup>	< 3		ISO 18553
Thermal Stability - OIT (210°C)	> 20	min	ISO 11357-6

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.	Grade

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