



Eltex® TUB121N3000

Product Technical Information

Eltex® TUB121N3000 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

Properties	Test Method	Value	Units
Physical			
Density (pigmented)	ISO 1183/A	960	kg/m ³
Melt Flow Rate (5 kg/190°C, Condition T)	ISO 1133	0.25	g/10min
Mechanical			
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
Thermal			
VICAT Softening Point (1 kg)	ISO 306	128	°C
Thermal Stability (OIT, 210°C)	ISO 11357-6	>20	min
Pigmentation			
Carbon Black Dispersion	ISO 18553	<3	Grade
Carbon Black Content	ISO 6964	2 to 2.5	%

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