



Product Technical Information

Eltex® TUB 171 is a medium-density polyethylene copolymer designed for the extrusion of pressure pipes and injection moulding of pipe fittings. It is classified PE 80 in accordance with ISO 12162 based on ISO 9080 analysis.

Characteristics

- PE 80 Black pipe compound

Applications

- Gas
- Water
- Industrial

Properties	Test Method	Value	Units
Physical			
Density (pigmented)	ISO 1183/A	949	kg/m ³
Melt Flow Rate (5 kg/190°C, Condition T)	ISO 1133	0.85	g/10min
Mechanical			
Tensile Strength @ Yield (23°C @ 50 mm/min)	ISO 527-2	19	MPa
Tensile Elongation @ Break (23°C @ 50 mm/min)	ISO 527-2	> 350	%
Tensile Modulus (23°C @ 1 mm/min)	ISO 527-2	750	MPa
Thermal			
VICAT Softening Point (1 kg)	ISO 306	121	°C
Thermal Stability (OIT, 210°C)	ISO 10837	>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.