



Eltex® TUB 171 Black

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.