

Eltex® TUB171

Medium Density Polyethylene
INEOS Olefins & Polymers Europe

Message:

Eltex® TUB 171 is a medium-density polyethylene copolymer designed for the extrusion of pressure pipes. 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

| General Information | |
|---------------------|---|
| Additive | Carbon black (2%) |
| Features | Copolymer |
| Uses | Industrial application |
| | Piping system |
| | Natural gas transmission and distribution |
| Agency Ratings | ISO 9080 PE 80 ISO 12162 |
| RoHS Compliance | Contact manufacturer |
| Appearance | Black |
| Forms | Particle |
| Processing Method | Pipeline extrusion molding |
| | Extrusion |

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|-------------------|--------------|
| Density | 0.949 | g/cm ³ | ISO 1183/A |
| Melt Mass-Flow Rate (MFR) (190°C/5.0 kg) | 0.85 | g/10 min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (23°C) | 750 | MPa | ISO 527-2/1 |
| Tensile Stress (Yield, 23°C) | 19.0 | MPa | ISO 527-2/50 |
| Tensile Strain (Break, 23°C) | > 350 | % | ISO 527-2/50 |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 121 | °C | ISO 306/A |

| Additional Information | |
|--|--|
| Density, ISO 1183, 23°C, pigmented: 949 kg/m ³ Thermal Stability, ISO 10837, 210°C, OIT: > 20 minCarbon Black Dispersion, ISO 18553: < 3 GradeCarbon Black Content, ISO 6964: 2 to 2.5% | |

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