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Technical Data Sheet

Technical specifications of high density polyethylene (HDPE) pipe Fitting

A. Basic material - designation

The components used in the manufacture of fittings (resins-additives) must comply with the standards mentioned in ISO4427.

The material used for the injection of the fitting is a polyethylene resin "PE100".

Specifications	PE100 material
Density (g/cm ³)	0.962-1.0
Melt Index	0.23-0.24
Oxidation Induction Time (Min)	>40
Tensile Strength at Yield (kgf/cm ²)	225
Elongation %	>600
Carbon Black Content %	2-2.3

B. Appearance

The fitting must have clean and smooth external and internal surfaces and be free from defects of importance or frequencies such that they are detrimental to its quality.

C. Color

Color should be black.

D. Product Size

As standards.

E. Mechanical characteristics

- Pressure resistance

Characteristics	Specifications	Test method
Pressure resistance at 20 ° C	Minimum hold at 100 hour at 12 MPa	GB/T 6111-2003
Melt mass flow rate	MRF before and after process ≤ 20%	GB/T 3682-2000
Oxidation Induction Time (210 °C)	≥20 min	GB/T 17391-1998

According to standard GB/T 13663 and ISO4427.