

HDPE Electrofusion Pipe Fittings



Description

Standard

- ISO 4427:2007, ISO 6964, ISO 3126

Material

- High Density Polyethylene, PE 100

Application

The above fittings are used to connect pipes or valves in the network.

Specification

- ✓ Fittings shall be injection moulded and
- ✓ Dimensions of fittings shall be measured in accordance with ISO 3126.
- ✓ Meets requirements of PE 100+ Association, SDR 11, PN 16
- ✓ Carbon black content in compound : 2.25 + 0.25%, by mass in accordance with ISO 6964.
- ✓ Minimum required strength (at 20°C): 10 Mpa, Design temperature: 40 Deg. C
- ✓ Minimum Density at 23°C – 0.95 g/cm³
- ✓ Melt Flow rate at 190°C & 2.16 kg load –
- ✓ Melt Flow rate at 190°C & 5 kg load –
- ✓ Yield Tensile Stress (at 23°C) – 25 Mpa
- ✓ Elongation at break – >600%
- ✓ Thermal conductivity: 0.4 W/mo k
- ✓ Vicat softening point at 1 kg load = 124°C
- ✓ Design Pressure: 16 bar, 25 bar, 40 bar.
- ✓ Suitable for electrofusion and fusion indicator to indicate fusion after process.
- ✓ Copper coils as heating element.
- ✓ Bar code available for scanning by electrofusion machine.
- ✓ Potable water certificate is available.
- ✓ The thermal stability of polyethylene material meets the requirement of ISO 4427.
- ✓ Hydrostatic strength of fittings complies to ISO 4427 when tested in accordance with ISO 1167.