COMPD 9700ID

PE Black Compound

Description

- Product: PE Black Compound for Drip Irrigation Pipe
- Carrier: Poly Ethylene
- · Active ingredient: Carbon Black & Heat Stabilizer

Application & Addition Rate

Drip Irrigation Pipe: 100%

Advantages

- Easy Processing, High Rate Production
- Good Melt Strength
- High Heat Stability
- Smooth Surface

Typical Properties

| | Properties | Test method | Value | Unit |
|--------------------|--|---------------|-------------|-------------------|
| Physical & Thermal | Melt Flow Rate (190°C/2.16 Kg) | ASTM D 1238 | 0.5 | g/10min |
| | Carbon Black Content | ASTM D 4218 | 2.2 ± 0.2 | % |
| | Density | ASTM D 1505 | 0.927 | g/cm ³ |
| | Microscope Dispersion | ISO 18553 | Max. 3 | - |
| | OIT | ASTM D3895 | Min. 20 | min |
| | Moisture | ASTM D 644 | Max 0.1 | % |
| Mechanical | Izod Impact Strength (at 23 °C, Notched) | ASTM D 256 | Min 500 | J/m |
| | Tensile Strength at Yield | ASTM D 638 | Max 11 | MPa |
| | Tensile Strength at Break | ASTM D 638 | Max 17 | MPa |
| | Hydrostatic Pressure (80 °C/ 165 hr) | ISIRI 12181-1 | Not-Failure | - |
| | ESCR | ISIRI 7175-8 | Min 1000 | hr |

Storage & Packaging

- Store in dry place below 30 °C away from sun exposure not to exceed 12 months
- Packed in 25 kg PP raffia bags on 1000 kg stretch-wrapped pallet

NOTICE 2017-04

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