



## 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 <sup>3</sup>
	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