

HDPE PE100B

COMPOUND GRADE

Typical application and characteristics:

HDPE PE100 Black is a compound high-density polyethylene pipe grade, for use in corrugate pipes and other agricultural pipes in different sizes. Due to combination of virgin lump PE (about 50%) and recycle pipes (about 50%), the quality of material become very close to Virgin grade.

Suitability for use in any application should be determined by appropriate performance testing.

- **Application:** pipes

Typical data:

Property	Value	Unit	Test Method
Density	0.945 – 0.965	g/cm ³	ASTM D792
Oxidation Induction Time at 210°C (O.I.T)	30	min	ISO 11357
Carbon Content	2 – 2.5	%	ISO 6964
MFI (190°C/5 KG)	0.30 – 0.40	g/10min	ASTM D1238
Vicat Softening Temperature	126 125.4	°C °C	ISO306
Stress at Yield	20.11	MPa	ASTM D638
Strain at Yield	15.96	%	ASTM D638
Stress at Break	20.64	MPa	ASTM D638
Nominal Strain at Break	222.55	%	ASTM D638
Harness Shore D	63 ± 1 58 ± 1	After 1s After 15s	ASTM D2240
Izod Impact Strength	918.56 90.78 (Non-Break)	J/m kJ/m ²	ASTM D256

