



AHD HDPE PE80 VIRGIN TECHNICAL DATA SHEET

Description

AHD PE80 Virgin is a black compound high-density polyethylene specifically designed for pipe applications, delivering exceptional processing performance.

Applications

Suitable for drinking water pipes, gas pipes, discharge pipes, sewer pipes, and their fittings.

Physical Properties

Property	Standard	Unit	Value
Specific Density at 23°C	ISO 1183	g/cm³	0.95-0.96
MFI (190°C, 5 kg)	ISO 1133	g/10 min	0.4-0.5
Tensile Stress at Yield	ISO 527	MPa	22-24
Vicat-Softening Point VST/B/50	ISO 306	°C	120
Thermal Stability OIT 200°C	EN 728	Min	> 35 min
Carbon Black Content	ISO 6964	wt. %	Average ~2.5

Color

Black

Storage

Store indoors at room temperature, in dry conditions, and away from heat sources or ignition.

Handling

Use hooks for safe material handling.

Packing

Packaged in 25 kg bags, suitable for export standards.

AHD Plastics is a leading supplier and exporter of polymeric raw materials in the region. Our commitment to sustainable growth, workforce training, and equipment upgrades has driven significant sales increases and quality improvements over the years, positioning AHD Plastics as a global leader in polymeric raw material supply.

