

KGT HP011SH is pipe grade PE-100 for pressure pipes for all purposes for gas, water, and sewage transportation (black grade). The product offers excellent chemical resistance and environmental stress crack resistance.

### Applications

- Pressure and non-pressure pipes
- Transport of a wide range of fluids for industrial, rural, and mining applications.

Typical properties	Test method	Unit	Value
MFI@190°C, 5.0Kg	ASTM 1238	gr/10min	0.22
MFI@190°C, 21.6Kg	ASTM 1238	gr/10min	6.2
FRR(21.6/5.0)	-----	-----	28
Mass Density(23°C)	ISO 1183-1	gr/cm3	0.957
Bulk Density	ASTM D D1829	gr/cm3	0.605
Carbon Black Content	ASTM D 4218	%	2.3
Carbon Black Dispersion	BS-2782	Rating	max 3
Impact Strength(charpy Index@23c°)	ISO 179/1eA	mj/mm <sup>2</sup>	>20
Hydrostatic Strength (80°C/5.5MPa)	ISO 11677	hr	>165
Volatiles	Basel Method	ppm	349
Contamination	Hoechst Method	Rating	2
Vicat Softening Temperature,( B50)	ASTM D D1525	°C	75
Oxidation Induction Time, (210 °C)	ASTM D 3895	min	>25
DSC Melting Point	-----	°C	130
Shore Hardness, (Shore D, 3 sec)	ASTM D 2240	-----	63