



## KGT HP022SH - Class PE80

KGT HP022SH is a PE-80 Pressure pipes. The black grade for drinking water and gas pipes, waste pipes and sewer pipes, their fittings, and also sheets.

### Applications

- Black, high molecular weight high-density polyethylene copolymer, developed as a general-purpose resin for use in pressure & no pressure pipes.
- The minimum service life of 50 years is achievable under appropriate pressure & temperature conditions.
- Offers excellent chemical resistance & environment stress crack resistance and will provide excellent resistance to the effects of ultra-violet light exposure in outdoor applications.
- Suitable for extrusion into a full range of pipe & fitting sizes, where high density, resins are required.
- Suitable for use in the transport of a wide range of fluids for industrial, rural & mining applications, including potable water.

Typical properties	Test method	Unit	Value
MFI@190°C, 5Kg	53735	gr/10min	0.55
Density	53479	gr/cm <sup>3</sup>	0.953
Volatiles	BP138	%Wt	0.2
Carbon Content	ASTM D4218	%	2.25
Impact Strength(Charpy Index)	53453	mj/mm <sup>2</sup>	22
Resistance to internal pressure (80°C/4N/mm2)	8074	hr	170 min