

KGT 761 is a high molecular weight high density polyethylene copolymers, developed as general purpose resin for use in pressure and non-pressure pipes. A minimum service life of 50 years is achievable under appropriate pressure and temperature conditions. It offers excellent chemical resistance and environmental stress crack resistance.

#### Applications

- Pipes
- Transport of a wide range of fluids for industrial, rural and mining applications.

Resin properties	Typical Value	Unit	Test Method
<b>Physical</b>			
Melt Flow Rate (190 oC, 5.0kg)	0.22	g/10min	ASTM D1238
Melt Flow Rate (190 °C, 2.16kg)	6.2	g/10min	ASTM D1238
FRR (21.6/5.0)	28	-----	-----
Mass Density (230C)	0.957	g/cm <sup>3</sup>	ISO 1183-1
Bulk Density	0.605	g/cm <sup>3</sup>	ASTM D2839
<b>Mechanical</b>			
Carbon Black Content	2.3	%	ASTM D4218
Carbon Black Dispersion	Max3	Rating	BS-2782
Impact Strength(charpy Index@23c <sup>0</sup> )	>20	mj/mm <sup>2</sup>	ISO 179/1eA
Hydrostatic Strength (80°C/5.5MPa)	>165	hr	ISO 11677
Vicat Softening Temperature, ( B50)	75	°C	ASTM D1525
Oxidation Induction Time, (210 °C)	>25	min	ASTM D 3895
DSC Melting Point	130	°C	-----
Shore Hardness, (Shore D, 3 sec)	63	-----	ASTM D 2240