

KGT 262 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. This offer excellent chemical resistance and environmental stress crack resistance.

#### Applications

- Transport of a wide range of fluids for industrial
- Rural
- Mining applications

| Resin properties                     | Typical Value | Unit               | Test Method  |
|--------------------------------------|---------------|--------------------|--------------|
| <b>Physical</b>                      |               |                    |              |
| Melt flow rate (190°C/5Kg)           | 0.22          | g/10min            | ISO 1133     |
| Melt Flow Rate (190°C/2.16Kg)        | 6.2           | g/10min            | ISO 1133     |
| Mass Density(23°C)                   | 0.954 ± 0.002 | g/cm <sup>3</sup>  | ISO 1183     |
| Bulk Density                         | 0.605         | g/cm <sup>3</sup>  | ASTM D D1829 |
| <b>Mechanical</b>                    |               |                    |              |
| Carbon Black Content                 | 2.3           | %                  | ASTM D 4218  |
| Carbon Black Dispersion              | max 3         | Rating             | BS-2782      |
| Impact Strength(charpy Index@23°C)   | >20           | mJ/mm <sup>2</sup> | ISO 179/1eA  |
| Hydrostatic Strength (80°C/5.5MPa)   | >165          | hr                 | ISO 11677    |
| Volatiles                            | 349           | ppm                | Basel        |
| Contamination                        | 2             | Rating             | Hoechst      |
| Vicat Softening Temperature, ( B50 ) | 75            | °C                 | ASTM D D1525 |
| Oxidation Induction Time, (210 °C)   | >25           | min                | ASTM D 3895  |
| DSC Melting Point                    | 63            | ----               | ASTM D 2240  |