

KGT 4613 is a pipe grade resin which is manufactured by suspension polymerization of ethylene monomer. The product is a bi-model high density polyethylene with 1-Butene as co monomer.

Applications

- Tough and rigid pipe resin.
- Pressure pipes
- Drinking-water and gas pipes,
- Waste pipes and sewer pipes, their fittings
- Sheets (UV stabilization and pigments during processing)

Additives

(MFR 190/5: 0.39-0.51 - Density: 0.943-0.947 g/cm³)

- Antioxidant/Process stabilizer
- Lubricant (processing aid) /acid scavenger

Resin properties	Typical Value	Unit	Test Method
Physical			
Melt Index (2.16 kg)	12	g/10min	ISO 1133
Melt Index(5)	0.45	g/10min	ISO 1133
FRR (21.6/5)	27	-----	-----
Density	0.945	g/cm ³	ISO 1183
Mechanical			
Notched Izod Impact at 23 °C	9	mJ/mm ²	ISO 179/ 1 eA
Hydrostatic Strength (80 OC)	(4.0 N/mm ²) 1000	h	ISO 1167