

KGT 4617 is a natural pipe grade resin which is manufactured by suspension polymerization of ethylene monomer. It is a bi-model high density polyethylene with 1-Butene as co monomer.

Applications

- Top quality PE100 pressure
- Pipes for gas and water transportation at higher pressures or with thinner walls as PE80 (UV stabilization and/ or pigments during processing)

Additives

(MFR 190/5: 0.19-0.25 - Density: 0.946-0.950 g/cm³)

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

Resin properties	Typical Value	Unit	Test Method
Physical			
MFR 190°/21.6	6.2	g/10min	ISO 1133
MFR190°/5	0.22	g/10min	ISO 1133
FRR (21.6/5)	28	-----	-----
Density	0.948	g/cm ³	ISO 1183
Mechanical			
Hydrostatic Strength (80°C)	5000 (4.5N/mm ²)	h	ISO1167
Notched Impact (23°C)	24	mJ/mm ²	ISO179/1eA