

KGT 4616 is a black pipe grade resin (PE100) which is manufactured by suspension polymerization of ethylene monomer. It is a bi-model high density polyethylene with 1-Butene as co monomer.

Applications

- Black PE100 resin
- PE100 pressure pipes for gas and water transportation at higher pressures or with thinner walls as PE80

Additives

(MFR 190/5: 0.20-0.24 - Density: 0.955-0.959 g/cm³)

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

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	0.957	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