



KGT HP012J - Class PE100

KGT HP012J is a black pipe grade resin (PE100) which is manufactured by suspension polymerization of ethylene monomer. KGT HP012J Blue 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

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

Test/Composition	Typical Value	Unit	ASTM Method
Density	0.957	g/cm ³	ISO1183
FRR 21.6/5	28		
Hydrostatic Strength (80°C)	5000 (4.5N/mm ²)	h	ISO1167
MFR190°/21.6	6.2	(g/10 min)	ISO1133
MFR190°/5	0.22	(g/10 min)	ISO1133
Notched Impact (23°C)	24	mJ/mm ²	ISO179/1eA

1. Test specimen from compression moulded sheet at 23°C.
2. FRR values are statistical and calculated by dividing MFR values
3. Test specimen from compressed moulded sheet 23 C sheet 23 °C
4. The data quoted are average values

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