



KGT HP021J - Class PE80

KGT HP021J 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, e.g. drinking-water and gas pipes, waste pipes and sewer pipes, their fittings and also sheets (UV stabilization and pigments during processing)

Additives

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

Resin Properties	Unit	Typical Value	Test Method
Melt Index (21.6)	(g/10 min)	12	ISO 1133
Melt Index (5)	(g/10 min)	0.45	ISO 1133
FRR (21.6/5)		27	
Density	g/cm ³	0.945	ISO 1183
Moulded Properties	Unit	Typical Value	Test Method
Notched Impact @ 23 °C	mJ/mm ²	12	ISO 179/ 1 eA
Mechanical Properties	Unit	Typical Value	Test Method
Hydrostatic Strength (80 °C)	h	(4.0 N/mm ²) 1000	ISO 1167