HMCRP100N (PE100)

PRODUCT DATA SHEET

HM-CRP100N (PE100) is a natural pipe grade resin which is manufactured by suspension polymerization of ethylene monomer. HM-CRP100N(PE100) is a bimodal high density polyethylene with 1-Butene as comonomer.

HDPE: HMCRP100N (PE100)
Characteristic Properties
- Natural PE100 pipe resin.

Density: 0.946-0.950 g/cm^3
Main Applications
- Top quality PE100 pressure
- Pipes for gas and water transportaion at higher pressures or with thinner walls compared to PE80 (UV stabilization and/ or pigments during processing)

MFR: 190/5: 0.19-0.25
Additives
- Antioxidant/Process stabilizer
- Lubricant (processing aid)/ acid scavenger

Material properties (This data are typical values and are not to be construed as product specifications.)

Test/Composition	*Typical Value*	*Unit*	*ASTM Method*
Density	0.948	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

- *Test specimen from compression moulded sheet at 23°C.*
- *FRR values are statistical and calculated by dividing MFR values.*
- *Notch Impact Test specimen from compressed moulded sheet 23°C and The data quoted are average values*





