

Product data sheet

➤ **HDPE made via Hostalen Process**



HMCRP 100N (PE100)

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

HDPE: HMCRP 100 N (PE100)

Density: 0.946-0.950 g/cm³

MFR 190/5: 0.19-0.25

Characteristic Properties



- Natural PE100 pipe resin.

Main 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



- 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/ml 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 .