

## Product data sheet



HDPE made via Hostalen Process



### HM-CRP 100N (PE100)

HM-CRP100N (PE100) is a natural pipe grade resin which is manufactured by suspension polymerization of ethylen 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/cm<sup>3</sup>**

**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 <sup>3</sup>	ISO1183
FRR 21.6/5	28		
Hydrostatic Strength (80°C)	5000 (4.5N/mm <sup>2</sup> )	h	ISO1167
MFR190°/21.6	6.2	(g/10 min)	ISO1133
MFR190°/5	0.22	(g/10 min)	ISO1133
Notched Impact (23°C)	24	ml/mm <sup>2</sup>	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 .

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