

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: HMC RP100N (PE100)

#### Characteristic Properties

- Natural PE100 pipe resin.

### Density: 0.946-0.950 g/cm<sup>3</sup>

#### Main Applications

- Top quality PE100 pressure
- Pipes for gas and water transportation 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 |
|------------------------------------|------------------------------|--------------------|-------------|
| <b>Density</b>                     | 0.948                        | g/cm <sup>3</sup>  | ISO1183     |
| <b>FRR 21.6/5</b>                  | 28                           |                    |             |
| <b>Hydrostatic Strength (80°C)</b> | 5000 (4.5N/mm <sup>2</sup> ) | h                  | ISO1167     |
| <b>MFR190°/21.6</b>                | 6.2                          | g/10 min           | ISO1133     |
| <b>MFR190°/5</b>                   | 0.22                         | g/10 min           | ISO1133     |
| <b>Notched Impact (23°C)</b>       | 24                           | mJ/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