

Product Data Sheet

HMCRP 100N (PE100)

HDPE made via Hostalen

HM-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 comonomer.

HDPE: HMCRP100N (PE100)

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Characteristic Properties

Natural PE100 pipe resin.

Density: 0.946-0.950 g/cm³

Main Applications

Top quality PE100 pressure

Pipes for gas and water transportaion at higher pressures or with thinner walls as PE80 (UV stabilization and/ or pigments during precessing)

Density: 0.946-0.950 g/cm³

Additives

Antioxidant/Process stabilizer

Lubricant (processing aid)/ acid scavenger

| 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 |