

# HM-CRP100N (PE100)

## Description

HM-CRP100N (PE100) is a natural pipe grade resin that is manufactured by suspension polymerization of ethylene monomer. HM-CRP100N (PE100) is a bi-model high-density polyethylene with 1-butene as a co-monomer.

## 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

Test / Composition	Typical Value	Unit	Method
Density	0.948	g/cm <sup>3</sup>	ISO 1183
FRR (21.6/5)	28	—	—
Hydrostatic Strength (80°C)	5000 (4.5 N/mm <sup>2</sup> )	h	ISO 1167
MFR (190°C / 21.6 Kg)	6.2	g/10 min	ISO 1133
MFR (190°C / 5 Kg)	0.22	g/10 min	ISO 1133
Notched Impact (23°C)	24	mJ/mm <sup>2</sup>	ISO 179/1eA