

Product Data Sheet

HMCRP 100 BLACK
High Density Polyethylene

Product Description

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

General Information

Status : Commercial: Active

Features: Natural PE100 pipe resin

Application : 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)

Additives : Antioxidant/Process stabilizer
Lubricant (processing aid)/acid scavenger

Typical Properties	Typical Value	Unit	Test Method
FRR 21.6/5	28	-	-
Density	0.948	g/crn [^]	ISO 1183
MFR190°/21.6	6.2	g/10min	ISO 1133
MFR190°/5	0.22	g/10min	ISO 1133
Notched Impact (23°C)	24	mJ/mm ²	ISO 179/1eA
Hydrostatic Strength(80°C)	5000 (4.5 N/mm ²)	h	ISO 1167

- 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.

Handling and Health Safety: Molten polymers could be injured skin or eye so safety glasses and appropriate gloves are suggested to prevent possible thermal injuries. Also appropriate ventilation is suggested in working by melt polymer. Accumulation of fines or dust particles that are in this grade is not suitable because of explosion hazard probability. So adequated filters and grounding exists at all time are recommended.

Storage: Polyethylene products (in pelletised or powder form) should not be stored in direct sunshine and/or heat radiation. Ultraviolet cause a change in the material properties. The Storage area should be dry and preferably don't exceed 50 °C. it is advisable to process PE resine within 6 month after delivery .JPC would not resspensible about quality diminishing such as color change ,bad smell or ets which caused by bad storage conditions. It is better to process PE resin within 6 months after delivery.