



HDPE PE100 Natural

High Density Polyethylene · Pipe Grade (PE100)Also traded as **CRP100N** · Origin: **Iran**

MFR (190 °C / 5 KG)

0.22 g/10 min

DENSITY

0.948 g/cm³

CLASS

PE100

HYDROSTATIC (80 °C)

5000 h

PRODUCT DESCRIPTION

PE100 Natural is a bimodal high density polyethylene pipe resin with 1-butene comonomer. Outstanding stress-crack resistance, high impact strength and outstanding hydrostatic strength make it the choice for PE100 pressure pipes for water and gas, relining and fittings.

- PE100 classified
- Outstanding ESCR
- High impact strength
- Outstanding hydrostatic strength

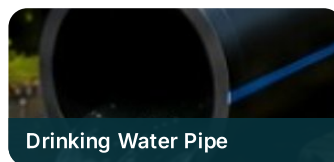
PROCESSING GUIDE

Process	Pipe extrusion
Extrusion temperature	190 – 220 °C
Injection temperature	200 – 280 °C
Storage	≤ 6 months, below 40 °C

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
PHYSICAL			
Melt Flow Rate (190 °C / 21.6 kg)	ISO 1133	g/10 min	6.2
Melt Flow Rate (190 °C / 5 kg)	ISO 1133	g/10 min	0.22
Flow Rate Ratio (21.6 / 5)	—	—	28
Density	ISO 1183	g/cm ³	0.948
MECHANICAL			
Notched Impact Strength (23 °C)	ISO 179/1eA	kJ/m ²	24
PIPE			
Hydrostatic Strength (80 °C, 4.5 MPa)	ISO 1167	h	5000

APPLICATIONS

**Pressure Pipe****Gas Pipe****Drinking Water Pipe****Fittings**

PACKAGING

25 kg PE / woven bags
Palletised or jumbo on request
20' / 40' container loading

SUPPLY

Delivery ex-factory or at border
100% pre-shipment inspection
Full export documentation



Get Today's Price

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