

## 1 Product description:

HM-CRP100 Black is a black pipe grade resin (PE100) which is manufactured by suspension polymerization of ethylene monomer, HM-CRP100 Blue is a bi-modal high density polyethylene with 1-Butene as comonomer.

## 2 Technical Data

### ◆ **HDPE: HMCRP100N Black (PE100 Black)**

**Characteristic Properties**  
Black PE100 resin

#### ◆ **Density: 0.955-0.959 g/cm<sup>3</sup>**

##### **Main Applications**

Top quality PE100 pressure  
Pipes for gas and water transportaion  
at higher pressures or with thinner  
walls as PE80

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

##### **Additives**

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

Test/Composition	Unit	Typical Value	ASTM Method
Density	g/m/3	0.957	ISO1183
FRR 21.6/5	-	28	-
Hydrostatic Strength (80°C)	h	5000 (4.5N/mm <sup>2</sup> )	ISO1167
MFR190"/21.6	g/10 min	6.2	ISO1133
MFR190°/5	g/10 min	0.22	ISO1133
Notched Impact (23°C)	mJ/mm <sup>2</sup>	24	ISO179/1eA

VİRA PROSHOT KİMYA SANAYİ VE DIŞ TİCARET LİMİTED ŞİRKETİ

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