

JAM Petrochemical Company

HDPE

**HDPE: HM CRP 100 Black
(PE100 Black)**

Characteristic Properties



- Black PE100 resin

Density: 0.955-0.959 g/cm³

Main Applications



- Top quality PE100 pressure pipes for gas and water transportation at higher pressures or with thinner walls as PE80

MFR 190/5: 0.20-0.24

Additives



- Antioxidant / Process stabilizer
- Lubricant (processing aid) / acid scavenger
- Carbon Black

Material properties (This data are typical values and are not to be construed as product specifications.)

Test/Composition	Typical Value	Unit	ASTM Method
Density	0.957	g/cm 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

- Test specimen from compression moulded sheet at 23°C.
- FRR values are statistical and calculated by dividing MFR values
- Test specimen from compressed moulded sheet 23°C sheet 23 °C
- The data quoted are average values
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