



AMIR KABIR PETROCHEMICAL COMPANY

HDPE EX3

High Density Polyethylene

1 Product Description:

"EX3" is a natural colored high density polyethylene with Butene-1 as comonomer. The product is classified as PE100 and shows good stress crack resistance properties (ESCR) combined with good impact strength.
Stabilization: Ca-Stearate, Zn-Stearate, Irganox1010, Irgafos168

2 Applications:

- Pipe Extrusion PE100 Class
- Pressure pipe.
- Drinking water and gas pipes.
- Discharge pipes.
- Sewer pipes and their fittings.
- For injection moulded and other fit tings.
- Sheets



No.	Property	Unit	Test Method	Value
1	MFR(190 °C/5Kg)	g/10min	ISO 1133	0.45 ± 0.05
2	MFR(190 °C/21.6Kg)	g/10min	ISO 1133	12.0 ± 3.0
3	FRR21.6/5	----	----	28 ± 4
4	Density	g/cm ³	ISO 1183	0.945 ± 0.002
5	Notched Impact Strength	mj/mm ²	ISO179/1eA	> 12
6	Pipe Evaluation Hydrostatic Strength (80°C,5N/mm ²)	Hours	DIN 8074 DIN 8075 ISO 1167	1000 min.