



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:

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

No.	Property	Units	Test Method	Value
1	MFI (190 °C /5Kg)	g/10min	ISO 1133	0.45 ± 0.05
2	MFI (190 °C/21.6 Kg)	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	ISO 179/1eA	>12
6	Pipe Evaluation Hydrostatic Strength (80 °C,5N/mm ²)	Hours	DIN 8074 DIN 8075 ISO 1167	1000 min.

Typical properties:

These are not to be construed as specifications

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