

# AMIR KABIR PETROCHEMICAL COMPANY

## HDPE EX3 (GM 5010 T2N)

High Density Polyethylene

A M I R K A B I R P E T R O C H E M I C A L C O M P A N Y

### 1 Product Description:

“EX3 (GM 5010 T2N)” 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 <sup>3</sup>	ISO 1183	0.945 ± 0.002
5 ▶	Notched Impact Strength	mj/mm <sup>2</sup>	ISO179/1eA	> 12
6 ▶	Pipe Evaluation Hydrostatic Strength (80oc,4N/mm2)	Hours	(DIN 8074 & DIN 8075 & ISO 1167)	1000 min.

Typical properties:  
these are not to be construed as specifications.

AKPC

HDPE