



Arak Petrochemical Company



ISO 9001:2000

Certificate No.: CH98/8032

ISO 14001:2004

Certificate No.: CH03/0112

OHSAS 18001:1999

Certificate No.: CH05/0675

## High Density Polyethylene EX3 (GM5010T2N) (Pipe Extrusion)

Typical properties	Test method (DIN)	Unit	Value
MFI@190°C, 5Kg	53735	gr/10min	0.5
Density	53479	gr/cm <sup>3</sup>	0.944
Volatiles	BP138	%Wt	0.2
Impact Strength(Charpy Index)	53453	mj/mm <sup>2</sup>	22
Resistance to internal pressure (80°C/4N/mm <sup>2</sup> )	8074	hr	170 min.

➤ Values shown are averages & are not to be considered as product specifications.

### ❖ Main application & Characteristics:

EX3 (M5010T2N) is high molecular weight, high density polyethylene copolymers, developed as general purpose resin for use in pressure and non-pressure pipes. A minimum service life of 50 years is achievable under appropriate pressure and temperature conditions. EX3 (GM5010T2N) offer excellent chemical resistance and environmental stress crack resistance.

EX3 (GM5010T2N) is suitable for extrusion into a full range of pipe and fittings sizes, where high density resins are required.

EX3 (GM5010T2N) is suitable for use in transport of a wide range of fluids for industrial, rural and mining applications.

Suitability for use in any application should be determined by appropriate performance testing.

\* EX3 (GM5010T2N) is suitable for food contact.