



Arak Petrochemical Company



ISO 9001:2000
Certificate No.: CH98/8032

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Certificate No.: CH03/0112

OHSAS 18001:1999
Certificate No.: CH05/0675

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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 ³ | 0.944 |
| Volatiles | BP138 | %Wt | 0.2 |
| Impact Strength(Charpy Index) | 53453 | mj/mm ² | 22 |
| Resistance to internal pressure (80°C/4N/mm ²) | 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.