



Arak Petrochemical Company



ISO 9001:2000
Certificate No.: CH98/8032

ISO 14001:2004
Certificate No.: CH03/0112

OHSAS 18001:1999
Certificate No.: CH05/0675

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High Density Polyethylene EX3B (GM5010T2) (Pipe Extrusion)

Typical properties	Test method (DIN)	Unit	Value
MFI@190°C, 5 kg	53735	gr/10min	0.55
Carbon Content	ASTM D4218	%	2.25
Density	53479	gr/cm ³	0.953
Volatiles	BP138	%Wt	0.2
Impact Strength(Charpy Index)	53453	mj/mm ²	22
Resistance to internal pressure (80°C/4N/mm2)	8074	hr	170 min.

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

❖ Main application & Characteristics:

EX3B (GM5010T2) is a black, high molecular weight high density polyethylene copolymer, developed as a general purpose resin for use in pressure & non-pressure pipes. A minimum service life of 50 years is achievable under appropriate pressure & temperature conditions. EX3B (GM5010T2) offers excellent chemical resistance & environment stress crack resistance and will provide excellent resistance to the effects of ultra-violet light exposure in outdoor applications.

EX3B (GM5010T2) is suitable for extrusion into a full range of pipe & fitting sizes, where high density, resins are required.

EX3B (GM5010T2) is suitable for use in the transport of a wide range of fluids for industrial, rural & mining applications, including potable water. Suitability for use in any application should be determined by appropriate performance testing.

* EX3B (GM5010T2) is suitable for food contact.