

Arak HDPE EX3B (GM5010T2)

High Density Polyethylene

Shazand (Arak) Petrochemical Corporation

Message:

EX3B (GM5010T2) is a black, high molecular weight high density polyethylene copolymer, developed as a general purpose resin for use in pressure & nonpressure 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.

General Information			
Additive	Carbon Black (2%)		
Features	Copolymer		
	Food Contact Acceptable		
	Good Chemical Resistance		
	Good UV Resistance		
	Good Weather Resistance		
	High ESCR (Stress Crack Resist.)		
	High Molecular Weight		
Uses	Fittings		
	Piping		
Appearance	Black		
Processing Method	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	DIN 53479
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.55	g/10 min	DIN 53735
Carbon Black Content	2.3	%	ASTM D4218
Resistance to Internal Pressure ¹ (80°C)	< 7.1	day	DIN 8074
Volatiles	0.2	wt%	Internal Method
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	22	kJ/m ²	ISO 179
NOTE			
1.	4N/mm ²		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

