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TOTAL PETROCHEMICALS
Polyethylene XS10 B

High Density Polyethylene

TOTAL PETROCHEMICALS

Technical Data

Product Description

HDPE XS 10 B is a high performance hexene-based black compound, with a MRS 10 MPa - PE 100 classification, and primarily intended for potable water and gas pipe applications.
HDPE XS 10 B key characteristics are

- a superior resistance to slow crack growth and rapid crack propagation ensuring safe and long-term network operation
- a broad bimodal molecular weight distribution offering easy processing for perfect pipes and fittings
- an optimised formulation of additives and finely dispersed carbon black providing outstanding long-term stability in service.

General

Additive	• Carbon Black (2%)		
Features	• Good Melt Strength • Good Organoleptic Properties	• Good Surface Finish • Hexene Comonomer	• Med.-Wide Molecular Weight Distrib. • Weldable
Uses	• Fittings	• Piping	
Agency Ratings	• EC 1907/2006 (REACH)		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding	• Pipe Extrusion	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.959 g/cm³	0.959 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.30 g/10 min	0.30 g/10 min	ISO 1133

Additional Information

Carbon Black Content, ISO 6964: 2.0 to 2.5%
Carbon Black Dispersion, ISO 11420: <3
Thermal Stability, EN 728/ISO 11357-6, 200°C: >20 min
Water Content, EN 12118: <300 ppm
Designation ISO 1872-PE,E/M-ACGHL,50-T003

Injection	Nominal Value (English)	Nominal Value (SI)
Suggested Max Moisture	0.30 %	0.30 %
Processing (Melt) Temp	392 to 500 °F	200 to 260 °C

Extrusion	Nominal Value (English)	Nominal Value (SI)
Suggested Max Moisture	0.30 %	0.30 %
Melt Temperature	374 to 428 °F	190 to 220 °C

Notes

[1] These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

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