

# TOTAL PETROCHEMICALS

## Polyethylene XS10 B

High Density Polyethylene  
TOTAL PETROCHEMICALS

# PROSPECTOR®

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### 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

Material Status	• Commercial: Active
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>
Search for UL Yellow Card	• <a href="#">TOTAL PETROCHEMICALS</a>
Availability	• Asia Pacific • Europe
Additive	• Carbon Black (2%)
Features	• Good Melt Strength • Good Surface Finish • Good Organoleptic Properties • 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/cm <sup>3</sup>	0.959 g/cm <sup>3</sup>	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

<sup>1</sup> 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.

<sup>2</sup> Typical properties: these are not to be construed as specifications.



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## Where to Buy

### Supplier

#### TOTAL PETROCHEMICALS

Houston, TX USA

Telephone: 713-483-5000

Web: <http://www.totalpetrochemicals.biz/>

### Distributor

#### Nexeo Solutions - Europe

*Nexeo Solutions is a Pan European distribution company. Contact Nexeo for availability of individual products by country.*

Telephone: +34-93-480-9125

Web: <http://www.nexeosolutions.com/>

Availability: Belgium, Czech Republic, Denmark, Finland, Ireland, Netherlands, Norway, Poland, Sweden, United Kingdom

#### Plastribution

Telephone: +44-845-345-4560

Web: <http://www.plastribution.co.uk/>

Availability: United Kingdom

