

TOTAL Polyethylene XSene® HDPE XS 10H

High Density Polyethylene
TOTAL Refining & Chemicals

Message:

HDPE XS 10 H is a high performance hexene-based blue compound, with a MRS 10 MPa - PE 100 classification, and primarily intended for potable water pipe applications.

HDPE XS 10 H can be used as a blue stripe compound in combination with the black PE 100 grades HDPE XS 10 B and HDPE XRC 20 B for potable water pipe application.

An accredited laboratory has proved fusion compatibility of the base polymer of HDPE XS 10 H with HDPE XS 10 B and HDPE XRC 20 B.

HDPE XS 10 H key characteristics are:

- 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 pigments providing outstanding long-term stability in service.

General Information	
Features	Bimodal Molecular Weight Distribution
	Good Processability
	Hexene Comonomer
	High ESCR (Stress Crack Resist.)
Uses	Fittings
	Piping
Agency Ratings	EC 1907/2006 (REACH)
Appearance	Blue
Forms	Pellets
Processing Method	Extrusion
	Injection Molding
	Pipe Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.30	g/10 min	ISO 1133
Water Content	< 300	ppm	EN 12118
Thermal Stability (200°C)	> 20	min	ISO 11357-6
ISO Type	PE,E/M-ACGHL,50-T003		ISO 1872
Pigment Dispersion	< 3.00		ISO 18553

Injection	Nominal Value	Unit
Processing (Melt) Temp	200 to 260	°C

Extrusion	Nominal Value	Unit
Melt Temperature	190 to 220	°C

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