

## Total HDPE XLS 12 B High Density Polyethylene - Pipes and Fittings

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Pipe Grade

### Material Notes:

HDPE XLS 12 B is a high performance hexene-based black compound, with a MRS 10 MPa - PE100 classification, primarily intended for extrusion of large diameter and thick wall pressure pipes. Key characteristics area superior resistance to sagging, enabling the manufacture of very thick wall pipes with even wall distributionan outstanding resistance to slow crack growth an rapid crack propagation ensuring safe and long-term network operationan optimized formulation of additives and finely dispersed carbon black providing outstanding long-term stability in serviceDesignation ISO 1872-PE,E/M-ACGHL,50-T003Information provided by Total Petrochemicals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-HDPE-XLS-12-B-High-Density-Polyethylene-Pipes-and-Fittings.php](http://www.lookpolymers.com/polymer_Total-HDPE-XLS-12-B-High-Density-Polyethylene-Pipes-and-Fittings.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.959 g/cc	0.959 g/cc	ISO 1183
Carbon Black Loading	2.0 - 2.5 %	2.0 - 2.5 %	ISO 6964
Melt Flow	0.20 g/10 min @Load 5.00 kg, Temperature 90.0 °C	0.20 g/10 min @Load 11.0 lb, Temperature 194 °F	ISO 1133/T

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 220 °C	374 - 428 °F	Extrusion
	200 - 260 °C	392 - 500 °F	Injection

Descriptive Properties	Value	Comments
Carbon Black Dispersion, Rating	= 3	ISO 18553
Thermal Stability 200°C	> 20 min	EN 728 / ISO 11357-6
Water Content	= 300 ppm	EN 12118, measured at the stage of compound manufacturing

## Contact Songhan Plastic Technology Co.,Ltd.

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