

TOTAL PETROCHEMICALS

Polyethylene XS10 B

High Density Polyethylene

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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			
<div><div></div><div>a superior resistance to slow crack growth and rapid crack propagation ensuring safe and long-term network operation</div><div></div><div>a broad bimodal molecular weight distribution offering easy processing for perfect pipes and fittings</div><div></div><div>an optimised formulation of additives and finely dispersed carbon black providing outstanding long-term stability in service.</div></div>			
General			
Additive	<div><div></div><div>Carbon Black (2%)</div></div>		
Features	<div><div><div></div><div>Good Melt Strength</div></div><div><div></div><div>Good Surface Finish</div></div><div><div></div><div>Good Organoleptic Properties</div></div><div><div></div><div>Hexene Comonomer</div></div><div><div></div><div>Med.-Wide Molecular Weight Distrib.</div></div><div><div></div><div>Weldable</div></div></div>		
Uses	<div><div><div></div><div>Fittings</div></div><div><div></div><div>Piping</div></div></div>		
Agency Ratings	<div><div></div><div>EC 1907/2006 (REACH)</div></div>		
Appearance	<div><div></div><div>Black</div></div>		
Forms	<div><div></div><div>Pellets</div></div>		
Processing Method	<div><div><div></div><div>Injection Molding</div></div><div><div></div><div>Pipe Extrusion</div></div></div>		
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			
<div><div></div><div>Carbon Black Content, ISO 6964: 2.0 to 2.5%</div><div></div><div>Carbon Black Dispersion, ISO 11420: &lt;3</div><div></div><div>Thermal Stability, EN 728/ISO 11357-6, 200°C: &gt;20 min</div><div></div><div>Water Content, EN 12118: &lt;300 ppm</div><div></div><div>Designation ISO 1872-PE,E/M-ACGHL,50-T003</div></div>			
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			
<div><div></div><div><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.</div></div>			
<div><div></div><div><sup>2</sup> Typical properties: these are not to be construed as specifications.</div></div>			