

POLYMERS

SABIC[®] HDPE PIPE P6006LS

Provisional Data Sheet

PRODUCT DESCRIPTION

P6006LS is black compound high density polyethylene (class MRS 10 MPa) specially designed for pressure pipe low sagging (LS) applications. It delivers exceptional low sag performance for large-diameter pipes and pressure pipes with low standard dimension ratio (SDR).

TYPICAL APPLICATIONS

P6006LS is specially developed for pressure pipes for portable water, gas, sewage and other liquids.

TYPICAL DATA

PROPERTIES	Unit	Value ⁽¹⁾	Test Method
Melt Flow Rate			
@ 190°C & 5 kg load	g/10 min	0.23	ISO 1133
@ 190°C & 21.6 kg load		6.4	
Carbon Black Content	%	2.25	ISO 6964
Density @ 23°C	Kg/m ³	959	ISO 1183
MECHANICAL PROPERTIES ⁽²⁾			
Tensile Strength @ Yield ⁽³⁾	MPa	23	ISO 527-2
Tensile Elongation @ break ⁽³⁾	%	>350	
Tensile Modulus ⁽³⁾	MPa	900	
Tensile Creep Moduls @ 100h	MPa	360	
Charpy Notched Impact Strength @ 23°C	KJ/m ²	26	ISO 179
THERMAL PROPERTIES			
Oxidation Induction Time (OIT) 210°C	Min	30	EN 728