

HDPE

XLS10B

HDPE for pipes

Application

Pipe, Black PE100 pipe, Water pipe, Gas pipe, Industrial Pipe, Mining pipe

Characteristics

Satisfied the MRS 10MPa standard, Uniform dispersion of carbon black, Excellent processability, Excellent low-speed crack resistance, High resistance to pipe sagging phenomenon

Physical properties

Item	Test Method	Unit	Typical Value
Melt index	ISO R1133 (190°C, 5kg)	g/10min	0.20
Density	ISO R1183	g/cm ³	0.959
Oxidation induction time (210°C)	ISO R11357-6	Minute	≥20
Carbon black content	ISO R6964	%	2.0~2.5
Carbon black dispersion	ISO R18553	Grade	≤3
Water content	ISO R15512	ppm	≤300
Melt temperature	HTC Method	°C	129
Tensile strength (at yield)	ISO R527	MPa	>21
Tensile strength(at break)	ISO R527	MPa	35
Elongation (at break)	ISO R527	%	>500
Flexural modulus	ISO R178	MPa	1100
Resistance to slow crack growth at 80°C	ISO 13479	hrs	>1000

Note) Data shown above are representative values for reference purposes only, and not to be construed as specifications.

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