

Black

DESCRIPTIONS

HDPE-HE3490LS is PE 100 grade. It is especially designed for the production of larger diameter, thick wall pipe, but can be processed for the whole range of diameters. It also shows excellent resistance to rapid crack propagation and slow crack growth. Well dispersed carbon black gives outstanding UV resistance. Long term stability is ensured by an optimised stabilisation system.

FEATURES

UV resistance

Excellent environmental stress crack resistance

PROCESSING METHOD

Extrude molding

APPLICATIONS

Drinking water pipe, Natural gas pipe, Pressure sewerage pipe, Industrial pipe, Relining pipe, Sea outfall pipe etc

TYPICAL PROPERTIES

Physical Property	Test Method	Value	Unit
Density	ISO 1183	959	kg/cm ³
Melt Flow Rate (190 °C/5.0kg)	ISO 1133	0.25	g/10min
ESCR	ASTM D1603	> 1000	hr
Rapid Crack Propagation S4 test 0 °C Pc pipe SDR-11 OD-250mm	ISO 13477	10	bar
Carbon Black Content	ASTM D1693A	≥ 2	%
Carbon Black dispersion	ISO 18553	3	grade
Tensile Modulus 1.0mm/min	ISO 527	1100	MPa
Tensile Strength Yield 50mm/min	ISO 527	25	MPa
Elongation Break	ISO 527	> 600	%
Impact Strength	ISO 179/1eA	16	kJ/m ²
Oxidation Induction Time 200 °C	EN 728	20	min