

## HDPE PIPE | High Density Polyethylene (Black Pipe)

PROPERTIES	TEST METHOD	UNIT	P901BK	LOW SAG PIPE	MARINE PIPE	BM3245PC
Minimum Required Strength (MRS)	ISO 9080	MPa	10	10	10	8
Melt Flow Rate (190°C, 5kg)	ISO 1133	g/10 min	0.25	0.2	0.25	0.55
Density	ISO 11831	g/cm <sup>3</sup>	0.959	0.958	0.957	0.956
Tensile Strength at Break (TSB)	ISO 527	MPa	≥31	≥31	≥31	31
Carbon Black Content	ISO 6964	%	2.25	2.25	2.25	2.3
Carbon Black Dispersion	ISO 18553	%wt	≤2.5	≤2.5	≤2.5	≤3
ESCR (F50)	ASTM D1693	hrs	≥10,000	≥10,000	≥10,000	≥5,000
Special Propertiy	IRPC	-	-	Low Sagging Property	Immune to Bivalves*	-

\* *Martesia Striata*

## HDPE WIRE & CABLE | High Density Polyethylene (Wire & Cable)

PROPERTIES	TEST METHOD	UNIT	P702BK
Density	ISO 1183	g/cm <sup>3</sup>	0.968
Melt Flow Rate (190°C, 5kg)	ISO 1133	g/10 min	1.50
Dielectric Constant (1 MHz)	ASTM D150	ε	2.53
Dissipation Factor	ASTM D150	D	0.0024
Volume Resistivity (1 MHz)	ASTM D257	Ω-cm	5.03x10 <sup>16</sup>