

PE complying to ASTM D 3350 cell classification 345444 C for black and 345444 E for white

IP-4 PE Duct Raw Material Data

	Norm	Unit	HDPE Values
Density	ASTM D 1505		0,95 +/- 0,01
Elongation at yield stress	ASTM D 638	%	>8
Elongation at break	ASTM D 638	%	>800
Flexural Modulus	ASTM D 790	MPA	800-950
Ball indentation hardness	ISO 2039	N/mm2	44 +/-4
Shore hardness	ASTM D 2240	868 3 sec	60-61
Tensile Strength at yield	ASTM D 790	MPA	21-22
Impact Strength	ISO 179 23°C	KJ/m2	no fracture
Impact Strength	ISO 179 -30°C	KJ/m2	no fracture
Notched Impact Strength	ISO 179 23°C	KJ/m2	24
Notched Impact Strength	ISO 179 -30°C	KJ/m2	8
Heat Resistance	ISO 75 A	°C	42
ESC	ASTM D 1693	h	> 1500
Heat Resistance	ISO 75 A	°C	75
ESC	ASTM D 1693	h	>192