

HDPE complying to ASTM D 3350 cell classification 345444 C

CIC 3 PE Duct Raw Material Data

	Norm	Unit	HDPE Values
Density	ASTM D 1505	g/cm3	0,94 +0,01/- 0,0
Melt Index (190°C/2.16Kg)	ASTM D 1238	g/10min	0,15 – 0,4
Carbon black content	ISO 6964	%	2.3 +/-0,3
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	24
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
HDB	ASTM D 2837	Classification	8.62
Heat Resistance	ISO 75 A	°C	75
ESC	ASTM D 1693	h	>192