

**Basic Standard HDPE Pressure Pipe Material Data**

Our Pipes comply to ASTM D 3350 PE 345444 C / E

	Norm	Unit	NOCX Pipe value
<b>Polymer Data</b>			
Density	ASTM D 1505	[g/cm <sup>3</sup> ]	0,941 - 0,946
Melt Flow	ASTM D 1238	[g/10 min]	0,41 - 0,55
<b>Mechanical Properties</b>			
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/mm <sup>2</sup> ]	44 +/-4
Shore hardness	ASTM D 2240	[Shore A]	60 - 61
Tensile Strength at yield	ASTM D 638	[MPa]	21 - 22
Tensile strength at break	ASTM D 638	[MPa]	> 35
Impact Strength	ASTM D 256	[KJ/cm/cm]	> 20
<b>Other properies</b>			
Hydrostatic Design Basis	ASTM D 2837	[MPa]	1,1
ESC	ASTM D 1693	[hrs]	> 1500