

Basic Standard HDPE Cable Protection Pipe Material Data

	Norm	Unit	Value	Value
			PE 80/PE 100 Q2	PE 80/PE 100 Q3
Polymer Data				
Density	ISO 1183	[g/cm ³]	0,935 - 0,965	0,935 - 0,965
Melt Flow	ISO 1133	[g/10 min]	1,2	1,2 - 1,5
Mechanical Properties				
Elongation at yield stress	ISO 6259	[%]	> 8	> 8
Elongation at break	ISO 527-1	[%]	> 500	> 500
Flexural Modulus	ISO 527	[MPa]	600 – 800	600 - 800
Ball indentation hardness	ISO 2039	[N/mm ²]	44 +/-4	44 +/-4
Shore hardness	ISO 868	[Shore A]	60 – 61	60 - 61
Tensile Strength at yield	ISO 527-1	[MPa]	21	18
Tensile strength at break	ISO 527-1	[MPa]	> 35	> 30
Impact Strength	ISO 8256	[KJ/cm/cm]	> 20	> 17
Other properies				
Hydostatic Design Basis	ISO 9080	[MPa]	8,0	N/A
ESC	ISO 6252	[hrs]	> 170	N/A