

LINE PIPE PERFORMANCE

Data Sheet



Type Line Pipe	Grade B	NPS 1	SCH 40
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Grade - Material Properties

	<i>SI</i>	<i>USC</i>
Minimum Yield Strength:	245 MPa	35 500 psi
Maximum Yield Strength:	450 MPa	65 300 psi
Minimum Tensile Strength:	415 MPa	60 200 psi
Maximum Tensile Strength:	655 MPa	95 000 psi

Geometry

	<i>SI</i>	<i>USC</i>
Nominal OD:	33,40 mm	1.315 in.
Nominal ID:	26,64 mm	1.049 in.
Nominal Wall Thickness	3,38 mm	0.133 in.
Minimal Wall Thickness (87,5% NWT)	2,96 mm	0.116 in.
Plain End Weight	2,50 kg/m	1.68 lb/ft

Performance

	<i>SI</i>	<i>USC</i>
Pipe Body Axial Yield Strength:	7960 kg _F	11 300 ksi
Internal Yield Pressure (API Initial Yield):	43,4 MPa	6 290 psi
Mill Testing Pressure (ASTM A53)	17,2 MPa	2 490 psi