

PRESSURE CONVERSION CHART













PN (Pressure Nominal)	SDR (Std Dim Ratio) (OD ÷ wall)	Metres Head of water m (H ₂ O)	Kilopascal kPa	Megapascal MPa	Foot Head of water ft (H ₂ O)	Pounds per square inch psi	Bar (gravity) Bar
4	41	41	400	0.40	134	58	4
6.3	26	65	630	0.63	211	92	6.3
8	21	82	800	0.80	268	116	8
10	17	102	1000	1.00	335	145	10
12.5	13.6	123	1250	1.25	419	182	12.5
16	11	163	1600	1.60	536	232	16
20	9	204	2000	2.00	669	290	20
25	7.4	255	2500	2.50	837	363	25

Note: Pressures only suitable for water at 20°C with 1.25 safety factor - gas/air require different factors

COMPARISON OF SDR & PRESSURE RATINGS (PN) FOR PE100 MATERIAL

SDR 41	SDR 26	SDR 21	SDR 17	SDR 13.6	SDR 11	SDR 9	SDR 7.4
PN 4	PN 6.3	PN 8	PN 10	PN 12.5	PN 16	PN 20	PN 25

IDENTIFICATION OF SERVICES

	Application	Stripe or Coex Colour	Notes	AS4130 Colour Definition
	Potable & Drinking Water	Blue (B41 Bluebell)	Typically used for potable water supply. Not to be used for recycled or reclaimed water	No darker than RAL5012
	General Purpose, Stormwater & Fabricated Fittings	Black	Typically used in general purpose, stormwater and for fabrication of fittings for other applications	2.25% +/- 0.25% carbon black as in AS4131
	Gas - Town, Fuel and Coal Seam Gas	Yellow	Used extensively as either a striping or coex colour for identification of gas, fuel gas and coal seam gas	No darker than RAL1018
	Recycled/Reclaimed Water	Purple	Pipe for recycled/reclaimed water applications Branded as 'RECYCLED OR RECLAIMED WATER—DO NOT DRINK' WSAA specify - Striped for mains, striped or full coex for service lines	No lighter than RAL 310 70 15 No darker than RAL 330 40 40
	Fire Service	Red	Dedicated fire-extinguishing supply mains	Not Defined
	Gravity Sewer	Light Grey	Typically used in gravity sewer applications - Vinidex Sewertech has light grey stripes and light grey inner coex for camera inspection	Not Defined
	Sewer Rising Main	Cream	Dedicated for pressurised sewer applications and specified by WSAA Branding must contain word 'SEWAGE'	No lighter than RAL 310 70 15 No darker than RAL 330 40 40
	Communications and Above Ground Mining	White	Used to identify communication conduits and in mining to reduce heat load on above ground transfer lines	Not Defined
	Electrical	Orange	Used to identify electrical conduits and services	Not Defined
	Rainwater/Raw Water	Green	Used as a striping colour for rural water pipe. Used as a coex and with 'RAINWATER' branding for rainwater harvesting	Not Defined
	Compressed Air (coex)	Blue (B41 Bluebell)	Same colour as the potable water, used as a full outer coex Branding will have deration applied as per PIPA POP002	Not Defined
	Compressed air (solid blue)	Dark Blue	The global PE100 blue colour to be used when making solid wall blue pipes. The only ISO9080 approved blue compounds are this colour	No lighter than RAL5005