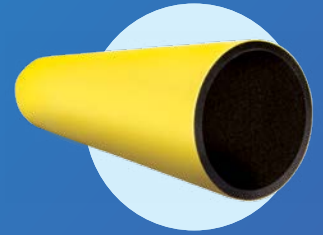


GPS PE Yellow pipe (PE80)

For pressurised gas supply. Pipes up to 63mm in diameter are solid yellow PE80; from 75 to 225mm in diameter, pipes are coextruded yellow PE80 over black PE80.



Range / pressure rating

Diameter size (mm)	SDR	Pressure rating	Material
16mm	7	-	Yellow PE80
20mm	9	5.5 bar	Yellow PE80
25 - 63mm	11	5.5 bar	Yellow PE80
63mm			Yellow PE80
75mm	13.6	4.0 bar	Yellow/Black PE80
90 - 225mm	17.6	3.0 bar	Yellow/Black PE80

Other pressure ratings / SDRs may be produced on request.

Colours

Material	Colour
PE80	≤ 63mm Yellow; 75-225mm Black core with yellow outer. Yellow: 10E55 in accordance with BS5252: 1976.



Standards / approvals

GIS/PL2-2
 (BSI Kitemark Certificate
 KM 512487)

Lengths

Pipes will be supplied in coil lengths of 25m, 50m, 100m, 150m, or straight lengths of 6m or 12m.

Other lengths may be available request.

Markings

Products are marked on one side up to 32mm in diameter. Above 32mm, products are marked on opposite sides. Contrasting colour characters at least 3mm high are used on pipes up to 90mm in diameter and at least 5mm high on sizes above 90mm.

The following identification and traceability marks are printed once every metre;

• Manufacturers identification: GPS	• Outside diameter: 63mm (example)
• Material designation: PE80 (see note 1)	• Wall thicknesses
• Standard number: GIS/PL2:2 (see note 2)	• Manufacturing code: (Contains date) (see note 3)
• SDR value: SDR 7 (example)	• Internal Fluid: Gas

Identification Marking

Note 1: The material code is specified in Works instruction and maybe suffixed as follows: R = 100% rework material.

Note 2: The use of this mark is Aliaxis' claim that the product has been manufactured in accordance with GIS/PL2:2.

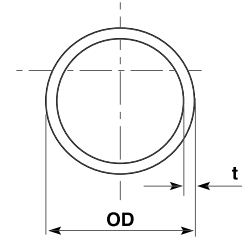
Note 3: The shift code denotes the extruder, shift week and year of manufacture plus the plant identification code. Each item being allocated a maximum of 2 digits. Where the codes numerical value is less than 10 a 0 is inserted. Or a simple date code may be used DD/MM/YY.

Batch number format

8 Digit Code	Extruder Number	Shift Number	Week Number	Year
		1 & 2	3 & 4	5 & 6
	01-23	01 - 14	01 - 52	01-99

Pipe dimensions – gas applications (GIS/PL2-2)

Nom. Size (mm) DN / OD	Max OD (mm)	SDR	Min t (mm)	Max t (mm)	Mean Weight (kg/m)	Mean Bore (mm)
16	16.3	7	2.3	2.7	0.1	13.7
20	20.3	9	2.3	2.7	0.1	15.2
25	25.3	11	2.3	2.7	0.2	20.2
32	32.3	11	3.0	3.4	0.3	25.8
40	40.4	11	3.7	4.2	0.4	32.3
50	50.4	11	4.6	5.2	0.7	40.4
63	63.4	11	5.8	6.5	1.0	50.9
		13.6	4.7	5.4	0.9	53.2
75	-	13.6	5.6	6.4	1.2	63.4
90	-	17.6	5.2	5.9	1.4	79.2
110	-	17.6	6.3	7.1	2.0	97.0
125	-	17.6	7.1	8.0	2.6	110.3
140	-	17.6	8.0	8.9	3.2	123.6
160	-	17.6	9.1	10.1	4.2	141.3
180	-	17.6	10.3	11.5	5.4	158.8



Wall thickness increased to give a lower SDR and more resistance to damage immediately before connection.