

## Water Supply Code of Australia

Requirement	Clause
Materials approved for use in PWC systems are listed in the PWC document 'Water and Sewerage Supply Infrastructure Products Manual' and any additional requirements specified in the 'Water Supply and Sewerage Construction Master Specification'.	8.1
Application for use of alternative materials may be submitted to PWC for approval however processing of such applications may take some time and may be rejected at the discretion of PWC.	
The default purchase specification shall be taken as the PWC 'Water Supply and Sewerage Master Specification' which references the 'Water Supply and Sewerage Infrastructure Products Manual'.	8.3.4
Delete Table 8.1 and insert Table 8.1(NT) below.	Table 8.1
Use of filament wound GRP is also permitted.	Table 8.2
Polyethylene (PE) pipe systems only permitted as an alternative for service connections less than DN80 in Alice Springs, Kings Canyon, Yulara and Borroloola.	

**TABLE 8.1(NT)**  
**PRINCIPAL WATER PIPELINE SYSTEMS**

PIPE		CONVENTIONAL PIPE SIZES (DN)	TYPICAL PIPE CLASSES	JOINTING METHODS	FITTINGS
PVC-M (white)		Series 1 100, 150	PN 12, 15, 18	Rubber Ring	Fusion bonded polymeric encapsulated ductile iron (DIFBL)
PVC-M (blue)		Series 2 200, 225, 250, 300, 375	PN 16, 20	Rubber Ring	Fusion bonded polymeric encapsulated ductile iron (DIFBL)
PVC-O (blue)		Series 2 200, 225, 250, 300	PN 16, 20	Rubber Ring	Fusion bonded polymeric encapsulated ductile iron (DIFBL)
GRP		300, 375, 450, 525, 600, 675, 750  Note that 525 and 675 are not preferred sizes	SN10000  PN 16, 20	GRP collar with rubber ring  Flanged	Fusion bonded polymeric encapsulated ductile iron (DIFBL)
DI	Cement mortar lined	100, 150, 200, 225, 250, 300	Class PN20  Class PN35  Flange Class (for flanged pipe)	Rubber Ring  Rubber ring with joint restraint (100-375)  Flanged	Fusion bonded polymeric encapsulated ductile iron (DIFBL)
Steel	PE coated and cement mortar lined	100 to 1800	Various according to specified wall thickness	Rubber Ring Welded Flanged	Steel as per pipe barrels – must be factory fabricated
PE100 (blue or black with blue stripes <sup>1</sup> )  PE80B may be used with written approval of PWC		Various from DN25 to DN630	PN 12.5, 16, 20	Mechanical  Electrofusion  Butt fusion	Compression fittings (to DN63)  Electrofusion fittings (DN110 – DN450)  Flanged fittings
<b>Permitted for use in Alice Springs, Kings Canyon and Yulara Use at other centres only with specific PWC written approval</b>					

<sup>1</sup> Solid blue external colour is strongly preferred