

Poliplex PE100 Pipe

**PRH16125M**
**125 SDR11 POLY PE100 PIPEX12M BRL**


### Application

Designed for fire-main systems in pressure applications

### Features

- Australian made
- Corrosion resistant
- Electrically non-conductive
- Multiple jointing options

## Technical Data

### Product Properties

Material	Polyethylene
Colour	Black with red stripe
Joint type	Electrofusion, compression, butt-weld, mechanical
Unprotected UV exposure	2 years

### Product Dimensions

Length	12m
Size	125mm
Inner diameter	101.5mm
Wall thickness	11.4mm

### Material Properties

Yield strain	10%
Yield stress	25MPa
Compressive Strength	32MPa
Tensile modulus	900MPa
Hardness shore D	63
Poissons ratio	0.4
Design stress	8MPa

Poliplex PE100 Pipe

**PRH16125M**

**125 SDR11 POLY PE100 PIPEX12M BRL**

**Thermal**

Coefficient of thermal expansion	1.8x10 <sup>-4</sup> /°C
Thermal conductivity	0.38W/m.K
Specific heat	1.9kJ/kg.K°C
Vicat softening temperature	116°C

**Fire resistance**

Flammability	Supports combustion, will burn when sufficient heat and oxygen are provided
Ignitability - AS 1530*	13
Smoke Development - AS 1530*	3
Spread of flame - AS 1530*	7
Heat evolved - AS 1530*	6

\*AWTA test report number 7-558803-CV

**Standards**

Product standard	Manufactured to AS/NZS 4130 from resin compounds complying with AS/NZS 4131
------------------	---

© Iplex Pipelines Australia Pty Limited 2026. The image contained within the document is for illustration purposes only. All drawings and information contained within this document are the exclusive property of Iplex. Iplex reserves the right to change product specifications and other information without prior notification. Measurements provided are for reference purposes only. Information in this publication is given in good faith and no warranty is provided or is to be implied with respect to either the information or the product, in particular the suitability of the product for any particular purpose. The purchaser should independently determine the suitability of the product for the intended application. Iplex\_Poliplex PE\_PRH16125M\_product data sheet\_Jan 26\_V1