Product Data Sheet

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

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Thermal

Coefficient of thermal expansion	$1.8x10^{-4}$ /°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

[1]AWTA test report number 7-558803-CV

Standards

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