iplex

Product Data Sheet

PVC Electrical and Telecommunications

EHDO100D

100 S/WALL HD COND PIPE SWJ X4M ORG ELEC

Application

Designed to protect cables in a range of buried and above ground installations.

Features

- Australian made
- BEP PVC - manufactured from Best Environmental Practice
- Corrosion resistant
- Electrically nonconductive

Technical Data

Product Properties

Material	PVC
Colour	Orange
Joint type	Solvent Weld Joint
Unprotected UV exposure	3 months

Product Dimensions

Length	4.0m
Size	10mm
Weight	13.23kg
Mean Pipe OD	114.1mm
Mean Pipe ID	101.7mm
Wall Thickness	6.3mm

Material Properties

Yield strain	5.50%
Compressive Strength	66MPa
Ring bending modulus (3mins)	3000 MPa
Ring bending modulus (50 years)	1200 MPa
Poissons ratio	0.38

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Thermal

Coefficient of thermal expansion	$7x10^{-5}$ /°C
Thermal conductivity	0.138 W/m.K
Specific heat	1047 W/m.K
Vicat softening temperature	>70°C

Fire resistance

Flammability	Will not support combustion
Ignitability - AS 1530*	7
Smoke Development - AS 1530*	9
Heat evolved - AS 1530*	2

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

Standards

Product standard	Referenced Australian electrical and telecommunications product standards include: AS/NZS 2053 (various parts) AS/NZS 4296 AS/NZS 5033 AS 4702
Enivronmental accreditation	Best Environmental Praxctice PVC - BEP PVC Certification No. BEP-PVC 0037

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