

PVC-U Electrical & Telecommunication

P600504

50 HD COND PIPE SWJX4M ORG ELECRAD



Application

Used 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-U
Colour	Orange
Joint type	Solvent Weld Joint
Unprotected UV exposure	3 months

Product Dimensions²

Minimum effective length	4m
Mean pipe OD	49.7mm
Mean pipe ID	42.6mm
Wall thickness	3.6mm

Material Properties

Specific gravity	1.43 – 1.5kg/m ³
Ring bending modulus (3mins)	3200 MPa
Ring bending modulus (50 years)	1400 MPa
Poissons ratio	0.38

Thermal

Coefficient of thermal expansion	7x10 ⁻⁵ /°C
Thermal conductivity	0.138 - 0.150 W.m-1°C-1
Maximum practicable working temperature	60°C
Minimum practicable working temperature	0°C

Fire resistance

Flammability	Will not support combustion.
Ignitability - AS 1530*	7*
Smoke Development - AS 1530*	9*
Spread of flame - AS 1530*	0*
Heat evolved - AS 1530*	2*

*AWTA test report number 7- 558788-CV

Electrical

Volume resistivity	10 ¹⁵ ohm.cm
Surface resistivity	≥10 ¹³ ohm
Power factor	0.02 @ 106 Hz
Dielectric constant	3.0 – 3.2 @ 106 Hz

Standards

Product standard	Referenced Australian electrical and telecommunications product standards include: AS/NZS 2053 (various parts) AS/NZS 61386.1 AS/NZS 61386.21 AS/NZS 4296 AS/NZS 5033 AS 4702
Environmental accreditation	Best Environmental Praxctice PVC - BEP PVC Certification No. BEP-PVC 0037

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