PVC Pressure System

SA10040

100X40 PVC SHROUD/ADAPT



Application

A PVC shroud adapter is used in a bore hole pump assembly to securely join a thick-walled pressure pipe sleeve over a submersible pump motor.
This sleeve acts as a flow-inducer shroud, forcing incoming water to stream fast and close past the motor housing to prevent it from overheating and burning out.

Features

- Australian Made
- BEP PVC - Manufacutred from Best Environmental Practice PVC
- Installation Economics
- Operation Efficiences
- Corrosion Resistant
- Light weight
- Electrically non conductive

Technical Data

Product Properties

Material	PVC
Colour	White
Series	Series 1
Approximate mass	0.26 kg

Product Dimensions

Nominal size	100 mm

Packaging Information

Carton quantity	50

Jointing Details

Joint type	SWJ
Cure time for solvent weld joints	>15°C 24 hours , 0–15°C 48 hours

Standards

Environmental Declarations and Standards

Product standard	AS/NZS 1477

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Material Properties

Mechanical

Density 'specific gravity'	1.43
Tensile yield strain (50 mm/min)	5.5%
Tensile modulus	3200MPa
Yield stress	176MPa
Hardness shore D	85
Poissons ratio	0.38
Ultimate tensile strength	52 MPa
Compressive strength	66 MPa
Design stress	11MPa

Thermal

Coefficient of thermal expansion	7×10^{-5}/°C
Thermal conductivity	0.38 $W \cdot m^{-1} \cdot K^{-1}$
Specific heat	1047 J/kg/°C
Vicat softening temperature	75°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

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