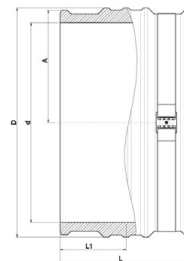


SUPER LIGHTFIT COUPLER

Plasson Electrofusion fittings are globally recognised as best in class. The Plasson Super LightFit coupler is designed specifically for thin wall (SDR26 and above) large diameter PE pipelines that do not require product certification to AS/NZS 4129. It shares the smart large diameter design of the LightFit coupler: dual weld zones (bifilar) for flexible installation options, a single weld time between -10°C and +45°C, large fusion zones and factory tensioned fabric pressure restraint straps for long term joint integrity. With a nominated rating of PN6.4 for water, the range is suitable for water, recycled and waste water, irrigation and other low pressure industrial applications.



500mm to 1000mm



500mm to 1000mm

Product Code	Size d	L	L1	D	A	Carton	W	PN Water*	SDR Gas	Pipe SDR Suitability
4601101	500	300	150	550	272	1	11800	6.4	26	26-41
4601102	560	310	155	620	310	1	15300	6.4	26	17-41
4601103	630	320	160	693	346	1	18200	6.4	26	26-33
4601105	710	380	190	775	388	1	25800	6.4	26	17-41
4601104	800	400	200	876	438	1	34700	6.4	26	26-41
4601107	900	420	210	983	485	1	40500	6.4	26	17-41
4601106	1000	440	220	1085	534	1	48000	6.4	26	17-41

Dimensions in mm. W = weight in grams. Carton = units per pack. PN Water = pressure rating on water. SDR Gas = SDR rating of the fitting. Pipe SDR Suitability = SDR range of pipe the coupler can be welded to.

*Nominated rating. Not certified to AS/NZS 4129.

MATERIALS

- **Body:** PE100-RC (crack resistant) resin, black
- **Heating coil:** Embedded in the fitting body for protection and even heat transfer
- **Straps:** Factory tensioned fabric insulation and reinforcement straps

INSTALLATION

Plasson Australia no longer publish generic how to perform electrofusion instructions. Plasson Australia recommend installation as per POP001 – Electrofusion Jointing of PE Pipe and Fittings for Pressure Applications as published by Plastics Industry Pipe Association of Australia (PIPA). This is free to download from <https://pipa.com.au>

These fittings do not have centre stops and can be used as a slip coupler.

OPERATING TEMPERATURES

Refer to the PIPA POP013 guidelines.

Link: <https://pipa.com.au/technical/pop-guidelines/>

FEATURES AND BENEFITS

- Designed for thin wall large diameter PE pipe
- Large welding and cooling zones for joint integrity
- Bifilar design: two separate heating circuits (dual weld zones) for flexible installation options
- Factory tensioned fabric insulation and reinforcement straps accelerate fusion pressure build up and prevent expansion
- No centre pipe stops for easy slip and repair use
- Embedded heating wires for protection and rapid gap filling
- Economical alternative to the PN10 LightFit coupler for non-certified low pressure applications

WELDING

- Super LightFit couplers have dual weld zones (bifilar); each zone is welded separately.
- Single weld time between -10°C and +45°C.
- ISO 13950 compliant barcode system.

CHEMICAL RESISTANCE

Plasson electrofusion fittings are made from high quality PE100-RC (crack resistant) resins. For chemical purposes they are considered as being made from HDPE, high density polyethylene.

QUALITY CERTIFICATES

The Super LightFit coupler is manufactured for applications that do not require product certification. The design, manufacturing and quality assurance processes match the requirements of AS/NZS 4129:2020. Where a certified fitting is required, refer to the Plasson Large Diameter LightFit Coupler (PN10) or Large Diameter Electrofusion Coupler (PN16) data sheets which have WaterMark, ISO Type 5 Conformity and WSAA Appraisals.

Electrofusion fittings are batch controlled. Record the batch number on the fitting label and contact Plasson Australia for a copy of the EN 10204 3.1 Inspection Certificate.