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PIPA Issues Industry Guidelines for HIGH STRESS CRACK RESISTANT PE100 (New)

<http://www.pipa.com.au/wp-content/uploads/2018/10/POP016.pdf>

PIPA Issues Industry Guidelines on BUTT FUSION JOINTING OF PE PIPES AND FITTINGS - RECOMMENDED PARAMETERS (New)

<http://www.pipa.com.au/wp-content/uploads/2018/10/POP003.pdf>

Georg Fischer (GF) Investigation Of The Failure Behaviour Of Polyethylene Electrofusion Sockets (New)

https://www.researchgate.net/profile/Andreas_Frank3/publication/.../Investigation-of-the-Failure-Behavior-of-Polyethylene-Electrofusion-Sockets.pdf

Fusion Group's Fusamatic Division Issues New FusionPlast Electrofusion Fittings Product Guide

https://www.fusionplast.com.au/index_htm_files/Electrofusion%20fittings%20catalogue.pdf

Finite Element Analysis to the Effect of Thermo-Mechanical Loads on Stress Distribution in Buried Polyethylene Gas Pipes Jointed by Electrofusion Sockets, Repaired by PE Patches (New)

<https://www.mdpi.com/1996-1073/11/10/2818>

McElroy Introduces Lightweight, Modular Welders for Large-pipe Fusion in Tight Spaces (New) October 25, 2018 McElroy introduces new sizes to the Acrobat machine line which feature the revolutionary QuikFit carriage that allows operators to meet the challenges of fusing large-diameter polypropylene pipe in close-quarter working environments.

<https://www.mcelroy.com/en/pp/560acrobat.htm>

Lifetime Prediction of Natural Gas Polyethylene Pipes with Internal Pressures (New)

<https://www.sciencedirect.com/science/article/pii/S1350630717314917>

Accelerated Aging of Polyethylene Pipe Grades in Aqueous Chlorine Dioxide at Constant Concentration (New)

<https://www.sciencedirect.com/science/article/pii/S0141391018302994>

Plastitalia Electrofusion and Spigot Fittings (Hydroflow Distributors (AUS) Pty Ltd) Approved by Water Services Association of Australia (WSAA)

<https://www.wsaa.asn.au/appraisal/hydroflow-distributors-aus-pty-ltd-plastitalia-electrofusion->

[and-spigot](#)

MAKO Poly Pty Ltd Range of PE Moulded Butt Fusion Fittings Approved by Water Services Association of Australia (WSAA)

<https://www.wsaa.asn.au/appraisal/mako-poly-pty-ltd-mako-poly-moulded-butt-fusion-fittings>

Electrofusion Welding Training Courses by Polyweld Tech Academy (Nationally Recognised Training)

<http://www.polyweldtech.com.au/training/electrofusion-welding/>

Clover Pipelines Pty Ltd - SUPERLIT® Filament Wound GRP Jacking Pipes Approved by Water Services Association of Australia (WSAA)

<https://www.wsaa.asn.au/appraisal/clover-pipelines-pty-ltd-superlit%C2%AE-filament-wound-grp-jacking-pipes-non-pressure>

Failure Analysis of GRP Pipes

<https://www.preprints.org/manuscript/201810.0292/v1/download>

Large-Diameter GRP Pipe Case Study

<http://www.futurepipe.com/wp-content/uploads/2018/09/Case-Study-Marmara-Ereglisi-Power-Station-1.pdf>

Uponor Patents New Method for Making PEX Pipe

<https://patents.google.com/patent/US20180258255A1/en>

Borealis Patents New Polypropylene Pipes with Improved Pressure Resistance

<https://patents.google.com/patent/US20180273741A1/en>

Effects of Welding Parameters on the Integrity and Structure of HDPE Pipe Butt Fusion Welds (New Research)

<https://bura.brunel.ac.uk/handle/2438/16919>

Failure Analysis of an Adhesively Joined GRP Composite Pipe System Under Internal Pressure

<https://www.hanser-elibrary.com/doi/abs/10.3139/120.111241?journalCode=mp>

ISCO AUSTRALIA provides: • Total HDPE Piping Solutions • Hire of McElroy HDPE Welding Equipment

• Sales of New and Used McElroy HDPE Welding Equipment • Service and Repair of McElroy HDPE Welding

Equipment • Workshop and Site based HDPE welding training.

<http://www.isco-pipe.com/>

Adtech FRP Pipelines Pty Ltd • Adtech FRP has supplied and installed many thousands of kilometres of GRE pipe into the Australian hydrocarbon and upstream industries

<http://www.adtechfrp.com/>

ExcelPlas - the Australian Pipes & Fittings Testing Laboratory

- Accredited to ISO 17025 by the National Association of Testing Authorities (NATA) Australia, and is Australia's largest laboratory dedicated for the testing of plastic pipes and fittings to various Standards which include Australian, European and International Standards.
- The staff employed at the laboratory have a combined experience of more than 85 years within the plastics industry specifically with manufacturing, quality control and the research and development of plastic piping systems including HDPE, PEX, PP-R, PVC, U-PVC, M-PVC, O-PVC, ABS, GRP, GRE and PB.
- Services provided include conformance testing, compliance testing, batch release testing, root cause analysis for field failures and non-destructive testing of samples.
- <http://www.excelplas.com/>

ExcelPlas Lab Specialising in HDPE Pipe Condition Monitoring, Failure Analysis and Testing

In the event of a HDPE butt weld or electrofusion weld failing during initial testing, or in service, we can conduct investigations to assist in identifying the root cause of the failure.

This service also extends to the premature failure of the pipe or fitting itself.

<http://www.excelplas.com/plastic-pipes>

ExcelPlas Pipe Testing is a Leader in the Field of Polyethylene (PE) and High-Density Polyethylene (HDPE) Testing

ExcelPlas is accredited with the National Association of Testing Authorities (NATA) for butt weld tests, bend and tensile tests, peel decohesion tests on electro fusion sockets and failure mode determination

<http://www.polypipetesting.com.au/butt-fusion-welds/>

New UHMWPE Pipe for Tailing Offers Greater Than 4X the Abrasion Resistance of PE100 (Australia wide)

<http://slurrypipes.com.au/>

ExcelPlas Poly Pipe Weld Inspection Lists Top 7 Causes of Weld Failure:

- Lack of scraping
- Inaccurate scraping
- Contamination from dirt, water, oil or clays
- Lack of Paralell-ness of fusion faces
- Misalignment of surfaces
- Time, temperature and pressure deviations
- Not adhering to cool times

We have extensive experience in inspection of poly pipe welds for assuring welded joint

quality. Direct Poly Pipe Inspection ensures that operators are following the proven welding procedure; this reduces the occurrences of operational errors which lead to defects such as inclusions, lack of fusion (LoF), porosity and misalignment.

More information, contact john@excelplas.com

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<https://www.polypipenews.com.au/advertise/>

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Poly Pipe News is now sent to over 4500 Poly Pipe Industry Members every week.

Any news requests should be sent to john@excelplas.com

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