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Author : PPN

PPN- The Leading Source of Industry News on Polymer Pipes and Plastic Pipe Failure

Enhanced Data Collection Capabilities Comes to McElroy DataLogger 6 (Breaking News)

<https://www.mcelroy.com/fusion/datalogger.htm>

McElroy Shares Secrets On How To Increase HDPE Butt Fusion Productivity By Optimizing The Cool Time Based On Thermal Mass Characteristics Without Compromising Joint Strength

<http://cloud.excelplas.com/index.php/s/elfekYje2y6gAkD>

Chinese Develop Large-Diameter Continuous-Fiber-Reinforced Polyethylene Pipe (CGFR-PE) (Breaking News)

<http://cloud.excelplas.com/index.php/s/PndIHymtzHZTtV1/download>

Imported PEX Pipe Warning - Variable Wall Thickness Quality Issue Leading to Bursting Risk

<http://cloud.excelplas.com/index.php/s/uKW1ReJ3mNtkiNL>

Introducing the Fully Automatic Butt Welding Machine

<https://mailchi.mp/caldertech/gator-automatic-butt-fusion-machine?e=70cfc9b873>

Polyamide Pipes Approved for Gas Distribution Pipelines (Breaking News)

https://corporate.evonik.com/en/media/press_releases/pages/news-details.aspx?NewsId=77040

Reinforced Thermoplastic Pipe (RTP) Used on a Saudi Major Oil and Gas Projects (Breaking News)

<https://www.saudiaramco.com/en/news-media/news/2019/cutting-edge-pipeline-practices>

AGRU XXL Pipes Cross Two Oceans (Breaking News)

<https://www.agru.at/en/applications/agru-line/agru-xxl-pipes-cross-two-oceans/>

Heating Duration of Polyethylene Pipes for Unwinding from Bays during Construction and Installation Works at Low Temperatures

<http://iopscience.iop.org/article/10.1088/1757-899X/463/2/022055/pdf>

Conditions for the Formation of a High-Quality Weld During Butt Welding of Polyethylene Pipes at Low Ambient Temperatures

<http://iopscience.iop.org/article/10.1088/1757-899X/463/2/022069/pdf>

Vinidex Seeking Product Manager for PVC Fittings and Pipe systems

[https://au.indeed.com/HR-Systems-Manager-\\$140,000-jobs?vjk=94cc38cac7d23c67](https://au.indeed.com/HR-Systems-Manager-$140,000-jobs?vjk=94cc38cac7d23c67)

FusionWeld Showcases New Electrofusion Fittings

<https://www.fusionweld.net.au/>

PIPA Updates Ref: POP001 January 2019 ELECTROFUSION JOINTING OF PE PIPES AND FITTINGS FOR PRESSURE APPLICATIONS

<https://www.pipa.com.au/wp-content/uploads/2019/01/POP001.pdf>

Caldertech Issues Best Practice Guide for Electrofusion Welding

<https://cdn.website.thryv.com/b698207b2ad94218a23dde2a2e85ebe4/files/uploaded/CalderSafe%20EF%20Guide.pdf>

AQUATHERM WEBINAR - POLYPROPYLENE 101

<http://webcache.googleusercontent.com/search?q=cache:WrEwUtnBeSoJ:www.aquatherm.com/aquatherm-webinar-polypropylene-101+&cd=22&hl=en&ct=clnk&gl=au>

HOW PROPER PIPING MATERIAL SELECTION CAN REDUCE HARMFUL BIOFILM FORMATION

<https://www.corzan.com/blog/how-proper-piping-material-selection-can-reduce-harmful-biofilm-formation>

PIPA has Revised and Republished Two Guidelines, POP004A and POP016

POP004A “Supplementary list – Materials Specific to Electrofusion and Moulded Fittings” has been updated (Issue 1.9) with the latest AS/NZS 4020 certification of Ineos’ injection moulding PE100 grades, ELTEX TUB121 and ELTEX TUB121 N6000.

POP016 “High Stress Crack Resistant PE100” has been revised (Issue 1.2) to reflect the Polyolefin Technical Committee’s acceptance of an alternate accelerated form of the EN 12814-3:2014, 2-Notch Creep Test. The accelerated 2NCT+ test’s correlated time to failure is >195hrs; 90°C; 4N/mm² tensile stress; 2% NM5 surfactant.

<https://www.pipa.com.au/index.php/revised-pop016-and-pop004a-listed/>

Investigation of The Failure Behaviour Of Polyethylene Electrofusion Sockets

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

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/>

This Newsletter is brought to you by Excelplas Labs, Australia's Largest group of Poly Pipe Testing Labs.

Pipe Poly News (PPN) is now Australia's most current and comprehensive source of news on Polyethylene pipes and Poly Pipe Welding;

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
To subscribe, visit <https://www.polypipenews.com.au/subscribe/>

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