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

Iplex Reopens Townsville HDPE Pipe Plant, Adani one of first customers (Breaking News)

Townsville Bulletin

PIPE maker Iplex has restarted manufacturing polyethylene pipe in Townsville, creating 14 jobs, with one of its first clients being Adani's Carmichael mine

<https://cloud.excelplas.com/index.php/s/z8qP76ibmcprc13>

Australian Poly Solutions Specialises in HDPE Pipe Fusion Welding and Hydrostatic Testing Services with Knowhow and Experience you can rely on

<https://www.aussiepoly.com.au/>

Ozpipe XIX to Boost Knowledge of Plastic Pipes Systems

<https://utilitymagazine.com.au/ozpipe-xix-to-boost-knowledge-of-plastic-pipes-systems/>

ALERT – Contaminants Migrating from Crossed-linked Polyethylene Pipes and their Effect on Drinking Water Odour (New Research)

<https://www.sciencedirect.com/science/article/abs/pii/S0043135419305068>

PPCA makes Ozpipe XIX Press Release

<https://www.pipa.com.au/wp-content/uploads/2019/06/PPCA-Ozpipe-Press-Release.pdf>

ALERT – Chlorinated Water Induced Aging of Pipe Grade Polypropylene Random Copolymers (PP-R) (New Research)

<https://www.mdpi.com/2073-4360/11/6/996>

ALERT – Influence of Residual Chlorine and Pressure on Degradation of Polybutylene (PB) Pipe (New Research)

<https://www.sciencedirect.com/science/article/pii/S0141391019302150>

NATA Australian Plastic Pipe Testing Laboratory (ExcelPlas) Leads the Way with Pressure Testing of Plumbing Pipes and Fittings

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

Modelling Natural Air Cooling of HDPE Butt Welds (New Research)

<http://dl.astfe.org/conferences/tfec2019,2c0d0caa03604a42,2975c5ed0cd3eb93.html>

Performance of Steel-Reinforced High-Density Polyethylene (SR-HDPE) Pipes in Soil During Installation (New Research)

<https://link.springer.com/article/10.1007/s11440-019-00822-w>

Experimental study of Crack Behaviour in Pressurized High-density Polyethylene Water Pipes (New Research)

<https://www.sciencedirect.com/science/article/pii/S2215016119300974>

New Patent – Trelleborg Patent New Electrofusion Coupler for Polymer Pipe

<https://patents.google.com/patent/US20190128458A1/en>

New Method for Calculating Transient Hydraulic Pressures in HDPE Pipes (New Research)

<https://iopscience.iop.org/article/10.1088/1755-1315/240/5/052020/pdf>

New Method for 3D Remote Monitoring of HDPE Pipe Integrity

<https://ieeexplore.ieee.org/abstract/document/8740215>

Measurement of Welding Residual Stress in HDPE Pipes (New Research)

<http://pressurevesseltech.asmedigitalcollection.asme.org/article.aspx?articleid=2730900>

Re-rounding of Deflected HDPE Pipes (New Research)

https://etd.ohiolink.edu/pg_10?0::NO:10:P10_ACCESSION_NUM:ohiou1555005546013105

Review of Flowtite™ GRP Pipe Technology

Lighter, and as strong as steel, but much more durable, glass-fibre reinforced (GRP) pipes can extend up to 4 m in diameter for applications that include major desalination projects and standard high-pressure bulk water supply. So, Flowtite™ GRP is far from fragile. The end benefit: over 150 years of virtually zero maintenance

<https://journals.co.za/content/journal/10520/EJC-155f389129>

Effect of Soil pH on GRP Pipes (New Research)

<http://dx.doi.org/10.30638/eemj.2018.187>

Colour-Coded Polyethylene Pipes in QLD

<https://www.acu-tech.com.au/news/can-i-get-polyethylene-pipes-in-different-colours-in-queensland/>

AUSTRALIA'S LEADING POLY WELDING AND PIPELINE CONSTRUCTION COMPANY

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

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 Parallell-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

Get Your HDPE Pipe Products or Services Noticed – Advertise in Poly Pipe News (PPN) Australia

<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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