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

Iplex Pipelines Now Using Recycled HDPE bottles to Make Drainage Pipes at its Palmerston North Manufacturing Site

<http://www.scoop.co.nz/stories/BU1902/S00678/four-million-bottles-to-be-recycled-into-plastic-pipes.htm>

Iplex Parent Fletcher Building Surprised by Speed of Australia's Housing Downturn

<https://www.afr.com/business/construction/fletcher-building-alarmed-by-speed-of-australias-housing-downturn-20190219-h1bgr5>

Research into Cracking in Polyethylene Pipelines and Lifetime Prediction of In-service HDPE Piping

ExcelPlas have developed a standardised approach for assessing the relative remaining lifetime of plastic pipes used within the Australian water and gas network. The degradation behaviour and lifetime of HDPE pipes can be determined using a multicriteria program based on OIT profiling through the pipe wall in combination with carbonyl index and bend-back microcrack detection.

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

GF Piping gets New CFO

<https://www.georgfischer.com/content/gf/com/en/news/mediareleases/mediarelease/mads-joergensen-to-become-new-CFO-of-GF.html>

Pipe Insulation Failure on Chilled Water Pipes

<https://www.hpac.com/piping-pumping/investigation-failure-chilled-water-pipe-insulation>

POP004A Update February 2019

SUPPLEMENTARY LIST – MATERIALS SPECIFIC TO ELECTROFUSION AND MOULDED FITTINGS

<https://www.pipa.com.au/wp-content/uploads/2019/02/POP004A.pdf>

Burst Pressures of HDPE Pipes Considering the Notch Effect : Testing and Prediction (New Research)

<https://strathprints.strath.ac.uk/66990/1/>

[Zheng_etal_JTE2019_Burst_pressures_of_high_density_polyethylene_HDPE_pipes_considering.pdf](https://strathprints.strath.ac.uk/66990/1/Zheng_etal_JTE2019_Burst_pressures_of_high_density_polyethylene_HDPE_pipes_considering.pdf)

Experimental and Numerical Study of Water Leakage from HDPE Pipes at Elevated Temperatures (New Research)

<https://www.sciencedirect.com/science/article/pii/S0142941818318865>

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

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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