

July 2019 Vol. 2

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

New Report - Corrosion of Upstream Metal Plumbing Components Impact Downstream PEX Pipe Surface Deposits and Degradation

<https://www.x-mol.com/paper/5764281>

90 km of 400mm diameter HDPE Piping Required for Above Ground Pipeline Network for Carrapateena Northern Wellfield Project

<https://www.gres.com.au/projects/details/carrapateena-northern-wellfield-project.aspx>

Significant Cost and Construction Benefits Would Accrue in Using Polyethylene Pipe for Broken Hill Pipeline Project (Declassified)

<https://www.ipart.nsw.gov.au/files/sharedassets/website/shared-files/pricing-reviews-water-services-rural-water-prices-for-waternsw-murray-river-to-broken-hill-pipeline-services-from-1-july-2019/submissions-prices-for-waternsw-murray-river-to-broken-hill-pipeline-services-from-1-july-2019/waternsw-broken-hill-pipeline-pricing-proposal-june-2018.pdf>

Australian Lab Recognised as Leaders in Poly Pipe Weld Testing and Failure Analysis

<http://www.polypipetesting.com.au/>

McElroy Celebrates 50 Years in Fusion

<https://www.pipeliner.com.au/2019/07/09/mcelroy-celebrates-50-years-in-fusion/>

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/>

New Patent on Fusible Pipe Fittings

<http://www.freepatentsonline.com/20190137024.pdf>

Vinidex StormPRO™ Housing Estate Drainage Project, VIC (Case Study)

<https://www.youtube.com/watch?v=j2HHk9sC9y4>

First Installation of a PE100 HSCR Pipe by HDD in Yeppoon QLD (Upcoming Qenos Presentation)

<https://www.nodigdownunder.com/conference-program>

NEW OFFERING: 'Systematic Approach for Investigating Failures in Plastic Piping'

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

Wanted - Scrap PVC PVC-U PVC-M PVC-C Pipes

<https://www.plastixanz.com.au/page.asp?PageID={78B25A93-E7EB-4024-9214-7E19174C5E68}&Classified=Wanted+-+Scrap+PVC+PVC-U+PVC-M+PVC-C>

Why the Reliance Worldwide (RWC) Share Price Has Fallen 26% Since May

<https://www.fool.com.au/2019/06/28/why-the-reliance-worldwide-share-price-has-fallen-26-since-may/>

Creation of European Standard for PVC-O Pipes

https://www.plasteurope.com/news/PLASTIC_PIPES_t242855/

First European Standard, EN 17176, for PVC-O Pressure Pipes and Fittings Has Been Published

<https://smartwatermagazine.com/news/molecor/first-european-standard-en-17176-pvc-o->

[pressure-pipes-and-fittings-has-been-published](#)

Study on the Plastic deformation Absorption Characteristics of Aluminum-Polyethylene Composite Structure Sprinkler Pipe

<http://www.koreascience.or.kr/article/JAKO201912261947334.page>

Origin Energy Seeking Pipeline Integrity Engineer with Working knowledge of the APGA Code of Practice for Upstream Polyethylene Gathering Networks

<https://www.seek.com.au/job/39436987>

Recycled Plastics Pipes a Big Focus of Ozpipe XIX Conference (Sydney Australia November 7th and 8th 2019)

From the USA, three Ozpipe XIX presenters, Dr Michael Plumier, Mr Daniel Currence and Mr John Kurdziel, will examine the performance requirements of recycled plastics for use in highway culvert and storm drainage pipe applications, its environmental impact and engineering implications.

Meanwhile, Ozpipe XIX presenter, Dr Andreas Frank of the Polymer Competence Centre in Leoben Austria, will address the issues surrounding the inclusion of recycled material in polyethylene pressure pipes.

From closer to home, Australian Vinyls' Technical Manager, Nigel Jones, will present a paper detailing the environmental and social benefits of including recycled PVC in sandwich construction drainage pipe.

"A significant portion of the Ozpipe XIX program is dedicated to plastic recycling and the circular economy. This is undoubtedly a reflection of the importance of environmental issues to pipe asset owners, manufacturers and government policy makers," Mr Connolly CEO of PIPA said.

<https://infrastructuremagazine.com.au/2019/07/15/examining-the-use-of-recycled-plastics-in-infrastructure-pipe/>

New Tests Confirm 100-year Expected Lifetime for PVC and PE Pipes

<https://www.epmm.com/materials/tests-confirm-100-year-expected-lifetime-pvc-pe-pipes/>

Prediction of Mechanical Properties for Curved Dumbbell Shaped Specimen at Different Orientation Angles of Ring Hoop Tension Test (New Research)

<https://onlinelibrary.wiley.com/doi/abs/10.1002/adem.201900191>

Calculation of Pressure Loss and Critical Velocity for Slurry Flows in Vertical HDPE Pipes (New Research)

https://www.e3s-conferences.org/articles/e3sconf/pdf/2019/35/e3sconf_rmget18_00083.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

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
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