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

NEWSMAKERS: * AGRU * ASTM * ChemChina * Fletcher Building * Iplex * Qenos * Rifeng

Dumping Battle Being Fought Between ChemChina, Ruffly Geminder's Pact Group and Fletcher Building's Iplex

- <https://www.theaustralian.com.au/business/failed-gas-policies-root-cause-of-dumping-battle-pitting-qenos-against-pact-group-and-iplex/news-story/f966e184b91a6a340750ab68c4bc8593>
- <https://cloud.excelplas.com/index.php/s/ochyALnAKADfZiM>

Iplex involvement with the Carmichael project will not only damage Queensland's water and climate, it will damage the reputation of Iplex and Fletcher Building

- <https://www.townsvillebulletin.com.au/business/protesters-lock-on-to-iplex-gates-in-antiadani-protest/news-story/033216c2bb36ddf1cf02977ae38430d2>
- <https://cloud.excelplas.com/index.php/s/bBVEYSNp1sH3pMN>

Companies like Iplex should know that if they do business with Adani.....

- <https://www.couriermail.com.au/business/a-new-front-opens-up-in-the-greenie-war-against-adani/news-story/596758ab2375ec76d3f7eabc8cad309c>
- <https://cloud.excelplas.com/index.php/s/nx8DLnSVm3Ew0GU>

RITMO: APP - SET & GO! PRO Butt Fusion for Pressure Pipe

<https://www.ritmo.it/en/butt-fusion-for-pressure-pipe/app-set-go-pro/>

Video: <https://youtu.be/YP4GmmBdufU>

Iplex and Fletcher Building should respect the views of Queenslanders....

<https://www.star1063.com.au/news/local-news/143208-protesting-pair-stops-work-at-townsville-company>

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/>

Giant HDPE Pipe Replaces Steel for Outfall Project

<https://www.plasticsnews.com/news/giant-hdpe-pipe-replaces-steel-outfall-project>

EPD's completed by TÜV Rheinland LGA Products GmbH for all Rifeng Pe-X Piping Products

<https://www.environdec.com/EPD-Search/?query=rifeng>

ASTM Release New Standard Specification for Polyethylene (PE) Gas Pressure Pipe, Tubing, and Fittings (ASTM D2513 – 19)

<https://www.astm.org/Standards/D2513.htm>

Regression Model Developed for Predicting Withstanding Pressure of HDPE Pipe During Extrusion Process

https://link.springer.com/chapter/10.1007/978-981-13-7643-6_14

PE100 Pipe Failure Times

While a good Butene PE 100 takes around 2000 hours to failure, a Hexene PE100 provides minimum 1 year (8670 hours) to failure in notch test as per requirements in new guidelines.

<https://asmedigitalcollection.asme.org/IOGPC/proceedings-abstract/IOGPC2019/58530/V001T04A001/954460>

New Materials for Protection of City Gas Distribution Networks

<https://asmedigitalcollection.asme.org/IOGPC/proceedings-abstract/IOGPC2019/58530/V001T04A001/954460>

Australian Test Lab Specializing in Quality Assurance Testing of Butt Welds (ISO 13953) and Electrofusion Welds (ISO 13954)

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

ExcelPlas Labs Offer Global Pipe Failure Investigations

ExcelPlas Labs have created a new benchmark in failure analysis of HDPE, PP-R, PB and PEX pipes in addition to PVC & CPVC pipes as well as composite GRP and GRE pipes. When a plastic pipeline fails to perform as intended, our team can determine the root cause of failure (e.g. oxidative failure, chemical failure, creep failure, over-stress failure, fatigue failure, design failure, etc). ExcelPlas are experienced with all plastic piping failure modes and mechanisms including Slow Crack Growth (SCG) Rapid Crack Propagation (RCP), Environmental Stress Crack Resistance (ESCR), Oxidative Stress Cracking (OSC), cyclic fatigue, manufacturing defects, and polymer material problems.

<http://www.excelplas.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

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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