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

Newsmakers * Adani * AGA * Fletcher * Iplex * PEX * PIPA * PPI * Vinidex

Public Pressure Works – Just Ask the Companies that Abandoned Adani

Piping companies Iplex and Vinidex were subject to people locking onto gates to draw media attention to their dealings.

<https://www.thefifthestate.com.au/urbanism/climate-change-news/public-pressure-works-just-ask-the-companies-that-abandoned-adani/>

Experimental Study of Adhesively-Bonded Polyethylene Pipelines (New Research)

https://res.mdpi.com/d_attachment/polymers/polymers-11-01531/article_deploy/polymers-11-01531-v2.pdf

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/>

PPI Hosts Free Electrofusion Guides for HDPE Pipe

<https://www.eppm.com/industry-news/ppi-hosts-free-electrofusion-guides-hdpe-pipe/>

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>

Advantages of Long Length HDPE Pipe Transport by Sea (Video)

<https://www.youtube.com/watch?v=uV6jlWSGar0>

PIPA Updates POP004 on POLYETHYLENE PIPE AND FITTINGS COMPOUNDS

<https://www.pipa.com.au/wp-content/uploads/2019/09/POP004.pdf>

American Gas Association (AGA) petitioned the Pipeline and Hazardous Materials Safety Administration (PHMSA) to reconsider language regarding heat fusion procedures provided in the plastic pipe rule. Specifically, AGA asks PHMSA to broaden § 192.281 of the pipeline safety regulations to allow qualified heat fusion procedures outside of, but in accordance with, ASTM F2620-12 Standard Practice for Heat Fusion Joining of Polyethylene Pipe and Fittings.

<https://plasticpipe.org/pdf/epsd-washington-pipeline-3rdqtr-2019.pdf>

Erosion Study on Brass Insert Fittings Used in PEX Piping Systems

https://plasticpipe.org/pdf/tn-26_erosion_study_brass_inserts_to_pex.pdf

Correlation Between Isothermal Crystallization Properties and Slow Crack Growth Resistance of Polyethylene Pipe Materials

<https://www.sciencedirect.com/science/article/pii/S0142941819309420>

Multi-Relaxation Test to Characterize PE Pipe Performance

<https://onlinelibrary.wiley.com/doi/abs/10.1002/peng.20184>

Ductile Fracture Assessment of HDPE-PE100 Weakened by an Inclined Double Keyhole Notch

<https://www.sciencedirect.com/science/article/pii/S0167844218306335>

Characterisation and Analysis of Polyethylene Pipes in Water Pressure Pipe Applications

https://repository.lboro.ac.uk/articles/Characterisation_and_analysis_of_polyethylene_pipes_an

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EXCELPLAS NATA ACCREDITED TESTING SERVICES

PRICE LIST FOR MAIN POLY PIPE TESTING SERVICES:

- Butt Weld Tensile
- Electrofusion Crushing Decohesion and Debonding
- Electrofusion Weld Tensile Peel
- Pipe Butt weld & Electrofusion Joint Tests

Our prices for Butt weld (ISO 13953), Bend Test (BS-EN12814-1), Crush Test (ISO 13955) and Electrofusion (ISO 13954); Decohesion Test (13956-2010) Specimens are now as follows:

OPTION A:	\$350 + GST per test	Pipe sizes OD mm	DN63, 75, 90, 110, 140, DN160
OPTION B:	\$695 + GST per test	Pipe sizes OD mm	DN180, 200, 225, 250, 280, DN315
OPTION C:	\$795 + GST per test	Pipe sizes OD mm	DN355, 400, 450, 500 - DN560
OPTION D:	\$895 + GST per test	Pipe sizes OD mm	DN630 - DN710
OPTION E:	\$995 + GST per test	Pipe sizes OD mm	DN800 - DN1000
OPTION F:	\$1,400 + GST per test	Pipe sizes OD mm	DN1200 and above

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

PEX Pipe Manufacturing Comparison Study

<https://www.integrityrepipe.com/classification-pex-manufacturing-process/>

Vinidex StormPRO® Installation: Pipe Jointing Instructional Video

<https://www.youtube.com/watch?v=aucTk5630ZM>

Fletcher Building Limited shareholders should be happy to see the share price up 15% in the last month

<https://simplywall.st/stocks/nz/materials/nzx-fbu/fletcher-building-shares/news/imagine-owning-fletcher-building-nzsefbu-while-the-price-tanked-52/>

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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