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

NEWSMAKERS: * APGA * ExcelPlas * Huerner * Kiwa * McElroy * Plasson * Polieco * PPN * Vinindex

Pigment In White Plastic Pipes to Get Cancer Warning (Breaking News)

<http://cloud.excelplas.com/index.php/s/JDgFvZnQgDMYgC9>

Next Generation Steel Reinforced Structured pipe in HDPE to Enter Australian Market

https://www.polieco.com/en/fognature/tubi_spirobox_con_anima_in_acciaio.htm

Last Day Today for 2019 APGA Convention and Exhibition in Adelaide

<https://www.apga.org.au/events/2019-apga-convention-and-exhibition>

Myriad of Possible Factors Alleged to Cause Failure of Plumbing Pipes

<https://plumbingconnection.com.au/whats-causing-corrosion-in-our-pipes/>

PPN Industry Bulletin Celebrates 10,000 Subscribers Worldwide in the Polymer Pipe & Fitting Industry

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

Database Application Software for Secure, Quick, and Professional Digital Electrofusion,

Butt-welding Welding Data

<https://www.huerner.de/en/product-portfolio/software>

Plasson ElectroFusion Installation Instructions (Video)

<https://www.youtube.com/watch?v=8QMWuMdvDv8>

New Proposed ASTM Standard Will Support Water Main Pipe Rehabilitation

<https://www.astm.org/cms/drupal-7.51/newsroom/proposed-standard-will-support-water-main-pipe-rehabilitation>

Strain Hardening Test on the Limits of Slow Crack Growth Evaluation in High Resistance Polyethylene Resins: Effect of Comonomer Type

<https://www.sciencedirect.com/science/article/pii/S0142941819309948>

ExcelPlas Strain Hardening Test (SHT) for HDPE Pipes

The SHT in accordance with ISO 18488 is a relatively new, but excellent way to obtain a rapid indication of the Stress Crack Growth (SCG) resistance of your piping material. This tensile test performed at 80°C has become in just a few years the new standard for Batch Release Testing (BRT). And not without reason. The test requires only a very small amount of material, the results are very reliable with a very low inter-laboratory scatter and the results are available within a few days, regardless of the PE grade. The SHT is usually performed on resin material but it can also be performed on samples taken directly from pipes or sheets. As accredited lab, EXCELPLAS is happy to discuss the possibilities with you, whether it is for BRT, benchmarking, quality control of your (high performing) PE grade or for polymer compliance/ validation.

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

Sustainability Vic Awards Qenos and Deakin \$190K Grant for HDPE Pipe recycling using Catalysts

Catalyst Assisted Polyethylene Recycling for High Value Added Applications – Qenos in collaboration with A/Prof Minoo Naebe, with GT Recycling

<https://blogs.deakin.edu.au/ifm-newsletter/2019/10/11/sustainability-vic-grant-success/>

Experimental Study of Structural Response of Lined-Corrugated HDPE Pipe Subjected to Normal Fault

<https://ascelibrary.org/doi/abs/10.1061/%28ASCE%29GT.1943-5606.0002189>

Robust and Proven Electrofusion Welding Technology Adapted from the Onshore Utilities Gas Industry to Provide a Continuous Polymer Corrosion Barrier

<https://energynorthern.com/2019/10/09/swagelining-delivers-world-first-all-polymer-connector-to-trio-of-operators/>

Polymer Lining Electrofusion Connectors Employed on Three North Sea Pipeline Projects

<https://www.offshore-mag.com/pipelines/article/14068286/polymer-lining-connectors-employed-on-three-north-sea-pipeline-projects>

Elbows and T-pieces prefabricated using Electrofusion Jointing to Reduce the Network Installation Time Onsite

<https://bdaily.co.uk/articles/2019/10/08/flexenergys-pipe-work-ideal-for-ibroxholm-oval-development>

McElroy Celebrates 50 Years of Pipe Fusion

<https://press.mcelroy.com/50-years-of-fusion-6/>

Kiwa Develops Eco-friendly Accelerated Notch Pipe Test (aNPT)

<https://www.kiwa.com/en/media/news/2019/kiwa-develops-eco-friendly-accelerated-notch-pipe-test-aNPT/>

Pre-insulated PEX Pipe for Quick and Effective Installation

<https://mechanical-hub.com/need-to-meet-energy-codes-go-with-pre-insulated-pex-pipe/>

Advanced PE Industrial Piping Systems

https://www.asahi-america.com/images/x-assets/PDF/Catalog_Advanced_PE_24_page_Oct_2019.pdf

Failure Analysis Laboratory for Plastic Pipe & Fittings

From failure prevention to failure diagnosis and root cause identification, we provide comprehensive support for plastic and rubber product and material failure.

The resistance to slow crack growth (SCG) is a critical polyethylene (PE) material property, especially for PE used in pressure pipes. As a result several test methods have been developed over time, both for resin and pipes. ExcelPlas is a world-leading expert in this field and has a well-equipped laboratory and many experts to accurately, reliably and quickly test this property, even for the best-performing grades available such as PE100RC.

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

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/>

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>

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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