

November 2019 Vol. 4

Author : PPN

NEWSMAKERS: * Advanced Drainage Systems * BPF * COBRA * EXCELPLAS * Fletcher Builder * Georg Fischer * ISCO * McElroy * PIPA * Qenos * SABIC

BPF Publishes a New Guide for Jointing Polyethylene Pressure Pipes

<https://www.britishplastics.co.uk/News/bpf-publishes-a-new-guide-for-jointing-polyethylene-pressure/>

SABIC Achieves Holy Grail and Produces CHLORINE DIOXIDE RESISTANT HDPE

<https://www.conferenceco.com.au/ozpipe/PAPERS/ZHANG.pdf>

Influence of Backfill Compaction on Mechanical Characteristics of High-Density Polyethylene Double-Wall Corrugated Pipelines

<https://www.hindawi.com/journals/mpe/2019/3960864/abs/>

BUTT FUSION JOINTING OF POLYETHYLENE PRESSURE PIPES Guidance Notes (Declassified) [PDF]

<https://www.bfpipesgroup.com/media/36119/Butt-fusion-jointing-of-polyethylene-pressure-pipes.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/>

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>

Polyethylene Pipes for Below Ground Water Applications in Brownfield Sites [PDF]
<https://www.bfpipesgroup.com/media/35491/Polyethylene-pipes-for-below-ground-water-applications-in-brownfield-sites.pdf>

Resin Blending and Variability of HDPE Recycled Materials in HDPE Pipe [PDF]
<https://nerc.org/documents/APR%20Champions/Resin-20Blending-20and-20Variability-20of-20HDPE-20Recycled-20Materials.pdf>

Development and Validation of a New Accelerated Test Method to Predict the Service Life of Corrugated HDPE Pipes Manufactured with Post-Consumer Recycled Materials
<https://nerc.org/documents/APR%20Champions/Corrugated-20HDPE-20Pipes-20Manufactured-20with-20Post-Consumer-20Recycled-20Materials.pdf>

Australia's Leading Plastic Pipe Testing Laboratory Develops Test Protocols for Assessing the Condition and Lifetime of Polymer Pipes
<http://www.excelplas.com/>

HDPE and Ductile Iron Pipe - Differences That Matter - A Comparative Narrative
<https://www.mcwaneductile.com/blog/hdpe-and-di-pipe-differences-that-matter-a-comparative-narrative/>

High Strength Polyethylene Graphene Nanocomposites to Improve Properties of HDPE Pipes (Qenos)
<https://www.idtechex.com/graphene-2d-materials-usa/show/en/speakers/13799/high-strength-polyethylene-nanocomposite>

South Australia Authorised Plastic Pipes and Fittings Products List
https://www.sawater.com.au/_data/assets/pdf_file/0008/68075/TS-0503-Authorised-Products-Water-Systems.pdf

Georg Fischer Seeking Production Manager for HDPE Pipe Production
<https://www.linkedin.com/jobs/view/production-manager-hdpe-at-georg-fischer-1561413851>

Transforming the Industrial Landscape in South Africa with HDPE Piping

<https://miningreview.com/coal/tech-news-transforming-the-industrial-landscape-in-south-africa/>

COBRA Training in Butt Fusion Welding of Polyethylene Pipelines (Victoria)

<https://cobra1.com.au/melbourne/polyfusion-up-to-and-over-63mm/>

SA Water's Accredited Contractors List for Poly Pipe Laying and Welding

https://www.sawater.com.au/_data/assets/pdf_file/0020/423029/Accredited-Contractors-for-Land-development-Training-Requirements.pdf

New Case Studies for HDPE Pipe Welding by ISCO McElroy

<http://www.isco-ahmcelroy.com/case-studies/>

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/>

2019 Copyright ExcelPlas Labs ?