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Author : PPN

Your Global Source of Poly Pipe News and Technology

PE100 Pipelines in the Material World (A Review)

<https://www.pipelinesinternational.com/2018/10/05/pipelines-in-the-material-world/>

PE100 Pipe with High Stress Crack Resistance (HSCR)

<https://www.acu-tech.com.au/products/pe100-hscr-pipe/>

Lifetime Prediction of Natural Gas Polyethylene Pipes with Internal Pressures

<https://www.sciencedirect.com/science/article/pii/S1350630717314917?via%3Dihub>

Abstracts and Papers from Plastic Pipes XIX (Las Vegas)

http://www.ppxix.com/upload/BEK148_03.pdf

USE OF RISK BASED “FIT FOR PURPOSE” DESIGN FOR SAFE AND STRUCTURALLY RELIABLE PE PRESSURE PIPE LINES Predrag Micic – Qenos Pty Ltd, Australia

http://www.ppxix.com/upload/BEK148_03.pdf

NEW TESTING METHOD FOR ELECTROFUSION WELDS Dr. Love Pallon – Swerea Kimab, Stockholm, Sweden

http://www.ppxix.com/upload/BEK148_03.pdf

INCREASING HDPE BUTT FUSION PRODUCTIVITY BY OPTIMIZING THE COOL TIME BASED ON THERMAL MASS CHARACTERISTICS WITHOUT COMPROMISING JOINT STRENGTH Amanda Hawkins – McElroy, U.S.A.

http://www.ppxix.com/upload/BEK148_03.pdf

INVESTIGATION OF THE FAILURE BEHAVIOR OF POLYETHYLENE ELECTROFUSION SOCKETS Isabelle Berger – Polymer Competence Center Leoben GmbH, Austria

http://www.ppxix.com/upload/BEK148_03.pdf

POLYETHYLENE/ALUMINUM/POLYETHYLENE COMPOSITE PIPE FOR FUEL GAS APPLICATION Baiqian Li – Rifeng Enterprise Group Co. Ltd. Foshan, Guangdong, PRC

http://www.ppxix.com/upload/BEK148_03.pdf

The World Premium Source of Poly Pipe News (PPN)

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

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

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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.

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