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

NEWSMAKERS: * AGRU * Aliaxis * Aquatherm * Borealis * ExcelPlas * Iplex * Qenos * Reliance * Shell * Tubi

Submission by Iplex in Response to the Application made by Qenos for the imposition of Dumping Duties on Imported HDPE (Confidential – Redacted)

[https://www.industry.gov.au/sites/default/files/adc/public-record/515 - 007 - submission - end_user - iplex pipelines australia pty ltd - submission in relation to the dumping of high density polyethylene.pdf](https://www.industry.gov.au/sites/default/files/adc/public-record/515_-_007_-_submission_-_end_user_-_iplex_pipelines_australia_pty_ltd_-_submission_in_relation_to_the_dumping_of_high_density_polyethylene.pdf)

Investigation – Dumping of High Density Polyethylene from Korea, Singapore, Thailand, USA (Declassified)

<https://www.industry.gov.au/data-and-publications/anti-dumping-commission-current-cases/515>

KTM Ventures co-investor in \$10m pre-IPO investment and a \$5.75m IPO for Australian Leading Disruptive HDPE pipe manufacturing now operating in Texas US and NZ

<https://ktmcapital.com.au/our-transactions/>

AGRU Showcases Electrofusion E-coupler made from PE 100-RC (Video)

https://www.youtube.com/watch?v=5G4_-lZq8FY

Iplex Parent Fletcher Building Forecasts 20pc Drop in Housing Construction

<https://www.afr.com/property/residential/fletcher-building-forecasts-20pc-drop-in-housing->

[construction-20190820-p52iux](#)

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/>

Christchurch Hospital in Hot Water Over Plumbing Tangle with Aqautherm Pipes

<https://www.rnz.co.nz/news/national/396816/christchurch-hospital-building-in-hot-water-over-plumbing-tangle>

Aliaxis Announces Agreement to Acquire Leading US Plastic Pipe Manufacturer to Expand North American Portfolio

<https://aliaxis.com/aliaxis-to-acquire-silver-line-plastics/>

Borealis Patent Peroxide-Modified Polyethylene Pipe

<https://patents.google.com/patent/US20190233626A1/en>

Why the Reliance Worldwide Share Price Crashed 8% to a 52 Week Low on Friday

<https://www.fool.com.au/2019/08/19/why-the-reliance-worldwide-share-price-crashed-8-to-a-52-week-low-on-friday/>

New HDPE 100-RC Pipes with Protective Layer (Video)

https://www.youtube.com/watch?v=W78fu0Vv_cc&vl=en

Shell Seeking for Project Engineer in Brisbane for QGC Upstream HDPE Pipelines for Gathering Networks

<https://au.oilandgasjobsearch.com/Oil-and-Gas-Jobs/Project-Engineer-Jobs/Project-Engineer/Details/1473803>

Shell Release Surat Basin Development Plans for HDPE Gathering Pipelines

https://www.shell.com.au/about-us/projects-and-locations/ggc/environment/environment-management/environmental-approvals/_jcr_content/par/expandablelist/expandablesection_ec.stream/1565083766418/8c6dc9647fbc9bc5688954b269e3664df4bb483/sbad-draft-pd-aug-2019.pdf

Genos Releases Online Benefit Calculator for PE100 High Stress Crack Resistance (HSCR) Piping

<https://alkadyne.com.au/genos-releases-online-benefit-calculator-assisting-engineers-to-extract-full-value-from-pe100-hscr-piping/>

GF Piping Address Compressive and Concentrated Stresses Which Cause Premature Leaks of Poly Pipes

<https://www.rhfs.com/pulse/wp-content/uploads/2019/04/1371-Stress-Less-brochure.pdf>

ASTM Issues New Standard Specification for Crosslinked Polyethylene (PEX) Tubing [ASTM F876 – 19a]

<https://www.astm.org/Standards/F876.htm>

SDS has taken over Asset International Ltd, which includes the exclusive rights to manufacture Weholite large diameter plastic pipes in the UK and Ireland

<https://www.theconstructionindex.co.uk/news/view/sds-takes-over-weholite-licensee>

Rehau Raugeo-brand PEXa Pipe Used to Heat and Cool Texas Community

<https://www.plasticsnews.com/news/pex-pipe-helps-heat-cool-texas-community>

Uponor AquaPEX PEX-a for Smarter In-Slab Piping

<https://plumbingperspective.com/smarter-in-slab-plumbing-with-pre-sleeved-uponor-aquapex>

Is Your PEX Pipe a Quality Product? Get it Tested!

With PEX Pipe it is critical that there is consistent and uniform crosslinking throughout the entire pipe wall during the manufacturing process since this improves performance properties such as optimal thermal memory, elasticity, elevated temperature strength, chemical resistance, environmental-stress-crack resistance, slow-crack-growth resistance, and abrasion resistance.

ExcelPlas can test the degree of cross linking through the wall thickness of the pipe. Despite the flexibility of PEX piping and being highly resistant to breakage it can undergo brittle cracking in service due to exhausted antioxidant reserves. PEX piping is an easy-to-install alternative to copper pipe however quality assurance checks should be done on PEX pipe particularly that imported from Asia. ExcelPlas Labs use a range of analytical techniques to assist all stakeholders (Building Owners, Facility Management, Body Corporate, Insurance companies, Plumbers and Hydraulics Engineers) to better understand the composition, quality and durability of imported PEX piping. Our fully trained professional staff can conduct in-situ sampling on site and sampling of provided reference pipes (from spare rolls or off-cuts). Contact ExcelPlas Labs to assess the quality of PEX piping.

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

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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