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

Global News on Plastic Piping and Fittings in Real-Time

NEWSMAKERS: * Adani * Aliaxis * CPVC * Electrofusion * ExcelPlas * Failure Analysis * Fletcher Building Group * Flowguard * Genuit * Georg Fischer * Grants * GRTgaz * IPLEX * John Guest * Mercury Plastics * Microplastics * Plastic Pipe Institute * PPI * Plastic pipes XXI * Polybutylene Failures * Polyethylene Pipes * PP-R Pipes* PVC Pipe * Reliance Worldwide * RWC * SABIC * Sharkbite

BREAKING NEWS

Shareholders Class Action Targets Iplex Parent for 'Misleading' Forecasts
Shareholders have brought a class action in Australia against New Zealand-based Fletcher Building, alleging the company failed to disclose material information relating to its construction division.
https://cloud.excelplas.com/s/fUPdv24S5kf1ZNV

Iplex Discloses PB Pipe Issues to Market
Iplex® Australia has received a number of product quality complaints relating to a hot and cold water polybutylene pipe product it previously manufactured (under the name "Pro-fit"). The complaints relate to leaks in homes, primarily built by group home builders in Western Australia, which have caused repair or replacement of the pipes and, in some cases, damage to the affected homes. No legal proceeding has been commenced but the complaints directed at Iplex® Australia assert that the cause of the failures is attributable to it. Iplex® Australia has not

identified the root cause or causes of the leak, including whether they are the consequence of pipe defect, building practises, local conditions or a combination of factors. The Group is also aware that the Western Australia building regulator (known as DMIRS) is undertaking its own investigation. Iplex® Australia's exposure to costs incurred by the leaks, if any, will depend on the final determination as to their causes (or causes) and the extent to which it and/or third parties are responsible and any relevant insurance policies respond. Clarification of all these matters may take some time to be finally determined. There remains a risk the exposure of Iplex to these claims will be greater than the amount it has currently allowed.
https://company-announcements.afr.com/asx/fbu/d8fe27ca-aca6-11ed-8c64-2ed00a0d38ab.pdf

Iplex Parent Fletcher Building Share Price Tumbles by 20%
https://cloud.excelplas.com/s/yWE5fwiugN3Kmt8

Iplex Patent Fletcher Building Says Bad Weather Has Hurt Trading, Profits
https://www.stuff.co.nz/business/131211135/fletcher-building-says-bad-weather-has-hurt-trading-profits

Adani Suspends Work on Green PVC Project for PVC Pipes After Allegations of Accounting Fraud and Stock Manipulation
https://www.livemint.com/news/india/hindenburg-fallout-adani-group-suspends-work-on-rs-34-900-cr-petchem-project-in-gujarat-11679211909111.html

INDUSTRY NEWS

Genuit Group, formerly Polypipe, Reports Record of £622.2m
Genuit Group has reported record revenue and underlying profit despite inflation, housing market uncertainty and supply chain disruption.
https://www.londonstockexchange.com/news-article/GEN/final-results/15873580

Georg Fischer Full Year 2022 Earnings Beat Expectations

- Revenue: USD4.35 Bill (up 7.4% from FY 2021).

- Profit margin: 6.9% (up from 5.7% in FY 2021). The increase in margin was driven by higher revenue.

https://simplywall.st/stocks/ch/capital-goods/vtx-gf/georg-fischer-shares/news/georg-fischer-full-year-2022-earnings-beats-expectations

SABIC Manufacturer of PE100 Resins Announces 2022 Annual Results – Q4 Profits Slide
SABIC announced its financial results for the fourth quarter of 2022.
The company's revenue reached $ 11.46 billion in the fourth quarter of 2022, a decrease of 8% compared with the third quarter of 2022
https://www.jeccomposites.com/news/sabic-announces-2022-annual-results/

R&D Grants for Plastic Pipe Companies in Australia Closing in Two Weeks
https://20712624.hs-sites.com/rd-applications-closing-soon

The Hidden Hazards of PP-R & PEX Water Pipes and How to Avoid Them
PP-R and PEX pipes may become weaker over time, due to hot chlorinated water.
Also for PP-R, when installed using heat welding, can form weakened joints and internal beading. Both of which can require costly repairs later on. Ineffective PP-R installation can cause joint weakness and the internal beading caused by the melting of PP-R can encourage bacterial growth and restrict water flow.
https://www.flowguard.com/blog/the-hidden-hazards-of-water-pipe-and-how-to-avoid-them

French Gas Transmission Operator GRTgaz Seeking Help from Australia on the Use of PA11 and PA12 Piping, for Gas Application in the Range 10-16 bar and NDE Techniques Implemented to Detect Defects/Flaws in the PA Piping Systems in Australia
mailto:dominique.gueugnaut@grtgaz.com

Failure Mode and Effects Analysis and Finite Element Simulation of Defective ElectroFusion (EF) Joints in Natural Gas Piping Network
https://www.magiran.com/paper/2538175/?lang=en

The Development and Evolution of a Generic Butt Fusion Joining Procedure for Field Joining of PE Pipe (PPI)
https://plasticpipe.org/common/Uploaded%20files/1-PPI/General%20Literature/Technical%20Notes/TN-66_Feb072023.pdf

Self-Diagnostic PVC Pipes for Capturing Threats in Underground Water Pipelines
https://ris.utwente.nl/ws/portalfiles/portal/288395302/Self_diagnostic_PVC_pipes.pdf

Quantification of Microplastics from PVC Pipes
https://pubs.acs.org/doi/pdf/10.1021/acs.est.2c06555

John Guest RWC Update Technical Manual for Plastic Pipe [PDF]
https://www.rmc.com.au/wp-content/uploads/2023/03/AU-JG-PG0201-0323-R2.pdf

SharkBite RWC Publish New Technical Manual for PEX Pipe [PDF]
https://www.sharkbite.com.au/wp-content/uploads/2023/03/AU-SB-MN0217-0223-R1.1.pdf

Mechanical Characteristics of Fibre-Reinforced Flexible Pipe Subjected to Axial Tensile Load
https://www.mdpi.com/2077-1312/11/3/586

SABIC HDPE Ensuring Sustainable Water Management and Securing Safe and Reliable Access to Basic Infrastructure
https://www.bangkokpost.com/business/2527386/sustainable-water-management-crucial

CPVC Pipe Case Goes Legal
https://scholar.google.com.au/scholar_case?case=13687070783111492833&q=pipe+failure&hl=en&as_sdt=2006&as_ylo=2023

NEW PATENTS

Mercury Plastics Patents New Multiplayer Flexible Hot Water Pipe
https://www.freepatentsonline.com/20230060302.pdf

PIPE FAILURE

Safety and Reliability of HDPE Pipes During Service for Gas Pipeline Integrity Detection and Evaluation [PDF]
https://www.mdpi.com/2227-9717/11/3/895/pdf?version=1678948839

Temperature Dependent Degradation of Phenolic Stabilizers and Ageing Behaviour of PP-R Pipe
https://www.sciencedirect.com/science/article/pii/S0141391023000630

Natural Aging Mechanism of Buried Polyethylene Pipelines During Long-Term Service [PDF]
https://cloud.excelplas.com/s/I3KINH8scBLruhn

NEW JOBS

Iplex Pipelines Seeking Operations Manager
https://au.linkedin.com/jobs/view/operations-manager-at-iplex-pipelines-3518871666

Vinidex Seeking Manufacturing Operators for Coopers Plain Site
https://au.linkedin.com/jobs/view/manufacturing-operators-at-vinidex-3509906304

PLASTIC PIPE CONSULTANTS

Plastic Pipe Consulting Experts and Services
If you need a team of pipe plastic experts, then ExcelPlas Consulting is the obvious choice - our size is our strength in a market dominated by single consultants.
We provide services on everything from material selection, product testing, processing to failure analysis
https://www.excelplas.com/contact-us/

PIPE FAILURE ANALYSIS

ExcelPlas Investigating Poly Pipe Failures
Through failure analysis & forensic chemistry, we help clients improve product performance, increase profits, & resolve product liability claims with plastic pipes and fittings.
We are dedicated to unmatched excellence in failure analysis, investigative chemistry, material testing, and expert witnessing for plastics, polymers and composites.
With over 25 years of investigative experience, the staff at ExcelPlas are uniquely positioned to help clients resolve the most challenging performance and processing issues related to materials and finished pipes and fittings.
https://www.excelplas.com/contact-us/

MORE POLY PIPE NEWS

PPN the Digital News Platform for Communicating to the Global Plastic Pipe Industry
Send Us Your News!!! PPN Publishes weekly.
https://www.youtube.com/watch?v=eUKxWbOZY10

ExcelPlas Labs 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 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/

Australia's Plastic Pipe Testing Laboratory
ExcelPlas Laboratories provides a comprehensive plastic pipe joint testing service and is equipped with a state-of-the-art laboratory to test a range of polymer materials including polyethylene and polypropylene. ExcelPlas can carry out testing on plastic tube and pipe ranging in wall thickness from 3mm to 1200mm. ExcelPlas Laboratories provide a comprehensive service to Industrial & commercial companies, environmental consultants, Government bodies, and local Authority customers throughout Australia and Asia. All testing is carried and out in accordance with ASTM, ISO & WIS methods and is fully accredited to ISO 17025 by NATA.

- Butt Fusion Weld Testing
- Weld Testing
- Testing of Electro-fusion Welds
- Tear on saddle joints
- Crush De-cohesion of Electro-fusion welds
- Polymer & Plastics Identification
- Chemical & Thermal Testing
- Site Audits

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 buttweld 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
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