

Product Testing



WE KNOW POLYMERS - WE KNOW TESTING

At ExcelPlas we have combined our knowledge of the science of laboratory analysis with technical problem solving on a broad range of materials – but especially polymer products. Hence our motto is “We know Polymers – We know Testing”.

Our services extend beyond the standard chemical and physical testing required to meet industry and product specifications.

Our testing protocols apply not only to compliance and conformance to industry standards but also provide technical assistance in the areas of polymer materials, formulation, the development of new materials and processes, performance evaluations, durability testing, condition assessment and failure analysis.

Physical-Mechanical Testing

Our physical testing laboratory is well equipped to conduct mechanical testing for a wide range of industries, including mining, construction, water, waste, industrial, consumer, medical, and more. Our plastics and rubber testing laboratory offers tensile, compression, tear, puncture, peel, adhesion, abrasion, flexing, fatigue, aging and performance tests. Our mechanical testing programs are based on AS, ASTM, EN, GRI, ISO and industry-specific specifications.

Chemical-Analytical Testing

Our chemical testing laboratory has the capability to perform a wide range of polymer and rubber testing. We perform these tests using a range of analytical methods such as solvent extraction, gravimetric analysis, IR spectroscopy, thermal analysis, additive analysis, XRD which enables us to accurately identify and quantify constituent inorganic materials.

Environmental-Fluid Conditioning and Compatibility

Given the range of chemicals that the mining, oil & gas and chemical processing industries expose polymers and rubbers to there is a need for ongoing chemical compatibility testing. Since these industries require products that must be able to perform under extreme temperature and fluid exposures, compatibility testing is essential to the success of these products.

We have an extensive library of fluids and chemicals available that can be applied over a wide range of temperatures, strain levels and exposure times on plastic and rubber components.

Common testing fluids include, but are not limited to:

- Biodiesel
- E10
- Fuel vapour
- Hydraulic, brake, and transmission fluids
- Diesel
- E85
- Anti-freeze
- Aviation fuels and fluids
- Hospital Disinfectants and Cleaners

ExcelPlas leads the way with digital communication with news blasts and news feeds in the industries and sectors in which it operates. eNewsletters and eAlerts are sent to its key customers weekly to be ‘front of mind’ for testing and analysis needs.

contact: www.excelplas.com

PRODUCT TESTING WEBSITES

<http://www.excelplas.com/>
<http://www.polymertesting.com.au/>
<http://www.polypipetesting.com.au/>
<http://www.uvtesting.com.au/>
<https://www.claddingtest.com/>
<https://www.miniredgers.com.au/>

DIGITAL MARKETING WEBSITES

<https://www.geosyntheticnews.com.au/>
<https://www.polypipenews.com.au/>
<https://www.claddingtest.com/news/>
<https://www.cablenewsaustralia.com.au/>
<https://www.tailingsnews.com.au/>
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