

# Food Packaging 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 food and beverage packaging, 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, DSC, melt index, TGA-MS, gravimetric analysis, IR spectroscopy, microscopy, thermal analysis, additive analysis, XRD etc.

#### Product Failure Investigations

Our lab routinely conducts product failure investigations providing accurate identification of root cause issues for problems such as sealing failures, contamination, poor mechanical performance etc.



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.

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