

SP works widely towards the plastics and rubbers industries. We help plastic producing companies with development of new materials and materials for new applications. For producers of plastics and rubber products we offer the broadest range of technical analyses, testings and certification systems in Sweden.

Material development

We help plastic producing companies with development of new materials and materials for new applications. It is mainly about optimizing plastic recipes regarding specific properties. In the last years we have for instance helped some customers to develop nano composites for special applications. We have also developed composites from renewable raw materials.

Durability

A central property for polymeric materials is ageing behaviour, which we work with very widely. We simulate ageing of plastics and rubbers in many different environments with heat, sun, chemicals, fuels, oils, moisture or mechanical stress. We also evaluate desired ageing like biological degradation and offer certification of biodegradable products.

Building materials

Another area where we offer certification is within polymeric building materials such as air and vapor barriers, windbreaks, underlays, drainpipes, painted barriers, waterproofing systems and tape. It can be about CE-marking but many times our customers aim higher with our own quality marking system, the P-mark. This certification is administrated by SP Sitac.

Core competence

Our high competence areas are within pipes, vehicle cables, waterproofing products for bathrooms, recycling, degradation, nano composites, plasticizers and cyclic mechanical stress. Our expertise in the area of pipes, we have collected in SP Pipe Center.

Laboratory Resources

SP can perform all common tests and analyses on polymer materials and products as well as customized tests for special areas. For example we have an extruder to produce smaller batches of new plastic compounds.

Material data for calculations

The demand for material data for calculation programs is great nowadays. It is mainly among rubbers we find a lack



of sufficient data, for example for mechanical properties at different temperatures. We have a broad expertise in this area and can help you measure the data you are missing.

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