

Plastics technology



The safety and cost-effectiveness of plastic components depend directly on the characteristics of the materials used and the quality of processing. TÜV NORD, as an expert provider in all questions relating to the use and processing of plastics, can help to minimise risks and increase reliability.

Utilisation of plastics for enclosure of metals is increasing, along with manufacture of all-plastic components. The low weight of plastic, and also its flexibility as regards processing methods and use, offer great advantages for many applications.

However, constituents of plastic materials have to be subject to detailed assessment during manufacture and use: in addition to the quality of the material and the processing, ageing behaviour has to be taken into consideration. This applies to plastic components of all sizes and also to plastic coatings, cladding and linings.

The experts from TÜV NORD have many years of experience in the field of plastics engineering gained in a wide variety of material and plant assessments. Our expert reports demonstrate that assessment and selection of the right materials make a major contribution to sustainable business success.

TÜV NORD - Making our world safer.

Our services

- Assessment and certification of plastics and plastic-related products and semi-finished products
- Material and component acceptance according to applicable standards (DIN EN 10204) or to customer requirements
- Suitability tests of materials, components, linings and coatings according to standards and customer requirements
- Type and approval inspections and in-process quality testing
- Evaluation of material, manufacturing and process specifications in the area of plastics technology
- Assessment and acceptance of plastic welders, laminators and adhesives in accordance with the rules of the German Welding Society (DVS)
- Evaluation of damage to plastic building or plant components, cladding and coatings
- Information on the combined use of metal and plastic materials
- Support in the certification of quality management systems (DIN EN ISO 9001, VDA 6.1 and ISO/TS 16949)

The benefit to you:

- Integrated assessment of your overall manufacturing procedures
- Reliable statements regarding plastics characteristics and test results
- Good and safe condition of your products and plant
- Increased availability, safety and cost-effectiveness
- Optimisation of material and operating costs and reduced quality costs
- Assured legal compliance during planning, construction and operation
- Punctual regular inspection as a basis for preventive or condition-based maintenance with minimal downtimes
- Independent assessment and neutral support by experienced experts
- Improved opportunities in the global competitive markets

Our expertise:

- Recognized body to SBL
- Recognized body acc. to NS 476
- Comprehensive know-how and many years of experience in the area of plastics technology
- Accredited materials laboratories at four locations: Hamburg, Hanover, Leuna and Duisburg
- Experience with international regulations and standards
- Fast reaction time
- Global network of expert companies
- Advanced knowledge through participation in standards and other committees

We look forward to sharing our expertise with you.
Why not contact us.

Tel.: +49 511 9986-1946
kunststofftechnik@tuev-nord.de

TÜV NORD Systems GmbH & Co. KG
Große Bahnstraße 31 · 22525 Hamburg
Am TÜV 1 · 30519 Hannover
Technologiepark 1 · 45307 Essen

www.tuev-nord.de

