

## 国家化学建筑材料测试中心（材料部） 国家高分子材料与制品质量监督检验中心



国家化学建筑材料测试中心（材料测试部）是国家科学技术部设立在中石化北京化工研究院的国家级检测机构，是我国化学建材行业首家国家级实验室。经二十多年的发展，中心已成为国内、外知名的权威检测机构。在此基础上，2007年国家质量监督检验检疫总局批准成立了国家高分子材料与制品质量监督检验中心，以进一步加强对高分子材料与制品的质量监督工作。目前两中心并轨运行，在人员、管理和仪器设备等方面不断发展和完善，均已成为高分子材料和化学建筑材料领域的领军型检测机构。

- 在 高分子材料行业：测试中心是国家高分子材料与制品质量监督检验中心。
  - 在 中国石化行业：测试中心是石化行业产品质量监督检验中心。
  - 在 塑料管材行业：测试中心是国家质检总局燃气压力管道安全认证指定检测单位，亚洲最大的塑料管道系统测试评价研究实验室。
  - 在 装饰装修行业：测试中心是国家认监委3C认证指定的检测机构。
- 在 塑钢门窗和防水卷材行业：测试中心是国家质检总局确定的生产许可证发放检测单位。

- 在 汽车塑料行业：测试中心是德国大众中心实验室中国唯一合作实验室。

测试中心下设高分子原材料检测室、塑料管材及管件检测室、土工合成材料检测室、塑料门窗及异型材检测室、涂料-胶粘剂检测室和老化性能检测室、汽车塑料检测室、老化性能检测室等，可以按照GB、ISO、ASTM、DIN、JIS及国内、外各行业、企业等标准承检、分析各种高分子材料及化学建材产品的力学、老化、电学、热学、物化、光学、阻燃、流变等各方面性能，测试范围遍及各种基础树脂、塑料管材、塑料异型材、塑料板材、塑料复合制品、塑料薄膜、土工合成材料、汽车和电信电缆等专用塑料及工程塑料等。

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## National Test Center of Polymer and Chemical Building Materials



National Test Center of Polymer & Building Materials, a national test organization under the Ministry of Science and Technology, established in Sinopec Beijing Research Institute of Chemical Industry( Sinopec, BRICI), is the first national test center for chemical building materials in China. After development and improvement in the past two decades, this center has been a well-known authoritative test organization.

In 2007, Polytest (National Polymer & Products Quality Supervision and Inspection Center) was approved and set up in Sinopec BRICI by General Administration of Quality Supervision, Inspection and Quarantine.

Now these two test centers have become leading test organizations in both polymer and building materials fields.

- In polymer materials industry, the test center acts as the quality supervision and inspection center for polymer materials and products;

- In China petrochemical industry, the test center acts as the quality supervision and inspection center for petrochemical products;

- In plastic pipes industry, the test center is an appointed test organization for the safety inspection of gas and pressure pipes authorized by General Administration of Quality Supervision, Inspection and Quarantine. It is also the largest laboratory in Asia in testing, researching and evaluating plastic piping system.

- In the decorating industry, the test center was designated by Certification and Accreditation Administration as the 3C (China Compulsive Certified) appointed test organization;

- In the industry of plastic doors & windows and waterproof membranes, the test center was designated by General Administration of Quality Supervision, Inspection and Quarantine as an appointed test organization for granting production permits;

- In automotive plastics industry, the test center is the only Chinese laboratory cooperating with Germany Volkswagen Center Lab in China.

During testing and evaluating, various standards can be followed, such as GB, ISO, DIN, JIS and other special standards. The test center can test most properties of polymer and building materials in terms of dynamic mechanics, aging properties, electric properties, thermal properties, physicochemical properties, optical properties, flame retardant performance and rheological properties. Varied products can also be tested in the test center, such as resins, plastic pipes and fittings, plastic profiles, plastic sheets, plastic composite products, plastic films, geosynthetic materials, coatings, adhesives, special plastics and engineering plastics for vehicles and cables, etc.

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