

## Polymer materials in heating piping systems - Certification and testing



**Looking for independent testing, certification and quality related services regarding plastics in pipes and fittings for heating systems? We can help you to secure the quality, safety and reliability of district heating and cooling piping systems, so your customers don't have to worry.**

### **You are...**

Are you a heating pipe and fitting manufacturer, a contractor, or are you working at a district heating company? Or are you seeking answers to enquiries regarding plastic gas piping systems for heating? Our Rubber Team can help you with their years of experience in this field.

We can assist you in securing the quality, safety and reliability of district heating and cooling piping systems, including the joints in these systems. We are also very active regarding more recently introduced polymer materials in district heating piping systems, like PEX (crosslinked polyethylene) and PB (polybutylene).

Polymer materials are also more and more used for indoor heating piping systems. For already more than a decade Kiwa has experience with PEX and multilayer piping systems, connected with mechanical metal fittings or plastic fittings (PPSU, PVDF).

### **Service and solutions you can rely on**

The services and solutions that we offer regarding district heating piping systems and flexible indoor heating piping systems are:

- Certification of plastic pipes and fittings
- Product inspections
- Physical & mechanical testing of plastic materials and products
- Chemical resistance testing of plastic materials

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- Testing of pipe joints
- Service life investigations and residual lifetime assessments
- Technical Consultancy
- Trouble shooting
- Damage/failure analyses
- Independent arbitrations
- Market research
- Support in product development
- Training & seminars
- Development of test methods

## Good to know

In gas and water distribution, plastic pipe materials have already been proven to be safe and reliable for many decades. But also for district heating and cooling more and more polymer materials are being used. Not only for the casing pipe (polyethylene) in the traditional Steel-PUR-PE systems, but also for the medium pipe, the insulation and in the joints.

In short: we can help you in all occasions where polymeric expertise and testing is needed.

## More information

Please feel free to contact us and discuss your needs.

## About Kiwa

Kiwa has specialized business units that focus on specific market segments, in the Netherlands and internationally. We offer specialist services in areas such as energy and water, fire safety and security, infrastructure, roof and facade advice, sports facilities and training. You can contact these business units for testing, inspection, certification, training and consultancy tailored to your market segment.

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