

VNIPIENERGOPROM:

ISOPROFLEX-A PIPES ARE IN COMPLIANCE WITH THE DECLARED TECHNICAL AND OPERATIONAL SPECIFICATIONS

Press-service of POLYPLASTIC Group

The results of tests, carried out by VNIPIenergoprom, OJSC have confirmed that ISOPROFLEX-95A and ISOPROFLEX-115A pipe systems produced by POLYMERTEPLO Group, LLC fully comply with the declared technical and operational specifications.

Test reports are available on www.polymerteplo.ru.

Full-scale tests of samples of ISOPROFLEX-95A and ISOPROFLEX-115A pipes were carried out by "Pipelines and power equipment", the accredited laboratory of VNIPIenergoprom in August – November 2014.

Test program included experimental study of the following properties of ISOPROFLEX-95A and ISOPROFLEX-115A pipes:

- outward appearance of pipe products;
- pipe dimensions;
- the degree of cross-linking of the inner layer of the main pipe;
- resistance of pipe systems to constant internal pressure at constant temperature (in various modes);
- resistance to temperature cycling;
- resistance to pressure cycling;
- linear resistance to water penetration;
- long-term thermal resistance of insulating material;
- density of insulating material;
- water absorptions of insulation at boiling water;
- compressive stress of insulation at 10% deformation;
- thermal conductivity of insulation.

VNIPIenergoprom is a leading research and design institute for heat supply networks and integrated development programs for municipal infrastructure of the Russian Federation. VNIPIenergoprom also provides expertise in energy sector for federal government bodies of Russia. VNIPIenergoprom together with other organizations has designed 687 heat supply networks for cities and regions of Russia and CIS.

POLYMERTEPLO Group is a leading developer and manufacturer of plastic pipe systems for water supply and district heat distribution networks. The company has developed and launched production of the world's brand new ISOPROFLEX-A pipe system of enhanced reliability and the warranted operation life of 49 years.

ISOPROFLEX-A pipe is a flexible reinforced plastic pipe system with 49-year life warranty, specially designed for hot water- and district heating networks of the Russian Federation. It is characterised by its superb resistance to high thermal loads. ISOPROFLEX-A pipelines are designed to operate at 115°C of a heat-transfer agent and operating pressure of up to 1.25 MPa. This pipe system has been produced since 2004. It represents the basic pipe system for renovation of hot water and district heating networks of Russia. In 2014 the total length of all ISOPROFLEX-A pipelines in operation was more than 5 thousand kilometers.

