

# Heat - Shrinkable Joints

The high quality of our products derives from several different factors, such as:

- modern, innovative technology and production machinery,
- use of only high-quality raw materials, delivered by members of the "PE100 + Association" (Basel, Sabic, Borealis) and other components (mastic, adhesive),
- quality control at every stage of production,
- many years of experience in manufacturing plastic products (piping, fittings, films, packages, etc.),
- experience in the use and development of heat-shrinkable products
- highest qualifications of both management and staff.

The heat-shrinkable, radiation cross-linked joints are the only products on the market meeting below key issues:

- full material compliance with requirements of the PN-EN 253:2009 + A2:2015 standard, as it is made of PE100 class raw material,
- radiation level of over 40%,
- joint's shape identical to the jacket pipe shape of the preinsulated pipe (no calyx and necking nor creases)
- no need to center the joints during its shrinking (using chocks for instance), as the result of the innovative technology, which enables regular distribution of the strains on the entire surface of the product.

Properties of the material used to produce joints:

Black, bimodal, high-density polyethylene (HDPE) with the following properties:

- material class: PE100,
- density: 956 to 962 kg/m<sup>3</sup>,
- melt flow index MFR 0.25 to 0.5 g/10 min.,
- thermal stability (OIT) above 20 min.

**biosteel a/s**

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