INTENDED USE:
Pellet is wooden, solid biofuel intended for combustion in modern boilers, fireplaces and burners in order to generate heat energy for heating purposes (heating of single family houses, housing cooperatives, hotel and holiday centres, public utility centres, warehouses, industrial halls, religious buildings, sports halls and other facilities, larger or smaller, which require heat energy). Pellet may also be burned in oil boilers (replacing the oil burner with Pellet burner).

COMPOSITION:
Granules pressed in high temperature and pressure, made of dry, milled and clean wood shavings. Pellet 8 mm in diameter consists of 70% shavings from softwood and 30% of hardwood. The content of Pellet may change due to processed wood materials.

PRODUCT CHARACTERISTICS:
- High-calorific – about 5.3 kWh of 1 kilogram of Pellet (1 tonne of Pellet replaces 470 litres heating oil, 572 m³ of natural gas, 429 L of LPG gas, 0.79 tonne of coal e.g. eco-pea)
- Small amount of ash remaining after combustion of Pellet (0.3 - 0.5%);
- Easy to store (1 tonne of Pellet packed in 15kg and 25 kg bags takes up about 2 m³; Pellet in bulk takes up 1.7 m³);
- Eco-friendly (ash formed after burning the pellets can be used as a fertiliser for your lawn or garden);
- "Zero emissions of CO₂" - the amount of CO₂ that is produced during the combustion of Pellet is equal to the amount of CO₂ that growing plants absorb during photosynthesis;
- It does not contain harmful substances;
- It does not emit burdensome and unpleasant odours;
- It does not cause allergies;
- Ergonomically refined unit packaging;
- Clean in use - it does not leave dirt in rooms as other solid fuels do, such as coal (e.g. eco-pea coal), wood, coke, fine coal.
**Product data sheet**

**Pellet 8 mm**

### DIMENSIONS:

- **Pellet**: Ø 8 mm, length up to 40 mm
- **Deviation**: Ø ±1 mm, maximum 1% of mouldings > 45 mm

### Tested feature | Testing method | unit | Requirements of the standard (EN Plus A1) | Result for Barlinek Wooden Pellets*
---|---|---|---|---
Diameter | measured with a vernier calliper | mm | 8.0 | 8.0
Length | measured with a vernier calliper | mm | up to 40 (maximum 1% of mouldings > 45 mm) | up to 40 (maximum 1% of mouldings > 45 mm)
Amount of total humidity | en iso 18134 | % | ≤ 10 | 4.2
Ash content (at 550 °C) | en iso 18122 | % | ≤ 0.7 | 0.46
Ash melting point | cen/ts 15370 | °C | ≥ 1200 | 1450
Calorific value | en iso 18125 | mj/kg | ≥ 16.5 | 18.48
Volume density | en iso 17828 | kg/m³ | 600 ≤ GO ≤ 750 | 680
Fine particle content (dust in a bag) | cen/ts 15149-2 | % | ≤ 0.5 (for a 15 kg bag) | ≤ 1.0 (for a 25 kg bag) 0.2 (for a 15 kg and 25 kg bag)
Abrasion (din plus) | en iso 17831 | % | ≥ 98 | 98.6

* Results for Pellet 8 mm at the time of departure from the production plant

### CERTIFICATES:

1. Quality standard: DIN Plus no. 7A105 (Barlinek Inwestycje) and DIN Plus 7A136 (Barlinek Invest) compliant with the European Standard DIN EN 14961-2:2010-07
2. Quality standard: EN Plus no. PL 003 (Barlinek S.A.) and EN Plus no. UA 001 (Barlinek Invest) compliant with the European Standard DIN EN 14961-2:2010-07
Collective packaging: 65 packets

Collective packaging: 40 packets

UNIT PACKAGING
15 KG OF PELLET Ø8 mm

Unit packaging

Pellet 8 mm in a big bag at the request of the buyer may be packed on a pallet 1000 mm x 900 mm

UNIT PACKAGING
25 KG OF PELLET Ø8 mm

Unit packaging

The product is placed on pallets of the following dimensions: 1.2 m x 0.93 m (15 kg bags) and 1.2 m x 1.0 m (25 kg bags), protected on the outside with stretch foil and a protective cover.

BIG BAG PACKAGING

Big bag packaging - 1000 kg

TRANSPORT IN BULK

Transport of pellet in bulk up to 27 tonnes
Storage:

Barlinek recommends storing Pellet 8 mm in 15 kg and 25 kg bags in rooms complying with the following conditions:

- building with a roofing preventing vapour condensation on the inside surface (sheet without thermal insulation);
- it is equipped with inlet/outlet gravitational or mechanical ventilation;
- the floor with tight moisture barrier;
- Pellet should be stored in a dry place, not exposed to direct impact of weather conditions.
- Pellet bags should be isolated from the ground by placing them on the pallets.
- Permissible conditions for storage in warehouse facilities:
  - relative air humidity up to 65%.
  - air temperature from +1°C to +28 °C (from +34°F to +82 °F).
- Formed pallets with 15 kg and 25 kg bags may be stored in stacks (one pallet on the other - maximum 2 layers). In such case it is recommended to use spacer boards (wood-based boards). The best solution is to place Pellet in layers in special warehouse racks.
- Pellet 8 mm in a big bag and in bulk must be absolutely stored in a warehouse hall in the conditions as above.

Storage of Pellet 8 mm in 15 kg and 25 kg bags and in big bags in other conditions than the described ones may result in damaging Pellet, for which Barlinek shall not be liable.

Transport:

Pellet may be transported with covered means of road transport. The load should be placed and secured according to the transportation provisions regarding road transport.

Less than truck load transport possible starting from 1 pallet. Full track load transport with curtain trailer, u-shaped trailer, tank trailer - from 24 to 27 tonnes.

WARNING: While unloading Pellet from a tank trainer, the recommendations of the manufacturer are to be observed, i.e. proper outlet pressure should be applied.