

# Wood Pellet

## A Green Choice for Energy

In order to achieve zero waste, we are fully utilizing our wood resources. Tree will be converted into wood products, where CO<sub>2</sub> is stored, by further processing forestry residues into by-product and compressed into a biomass product, so called as "Wood Pellet".

Wood Pellet is a renewable energy source, as compared to fossil fuel. The difference between wood pellet to fossil fuel is the extraordinary ability of the carbon capture and storage. Unlike fossil fuel, wood pellet is considered a carbon neutral fuel because during the crops grow, it will absorb carbon dioxide, and releasing it back to the atmosphere when burnt. As for fossil fuel, it will only release carbon dioxide when burnt. A case study shows that, every ton of pellets used as compared to fossil fuel is significantly able to reduce carbon dioxide emissions by approximate 1.5 tons. Thus, replacing wood pellet to fossil fuel as energy source is vital in minimizing the amount of carbon dioxide in the atmosphere.



### Applications

- ✔ As green energy fuel (substitute for fossil fuel - coal, gasoline and natural gas)
- ✔ Industrial steam supply
- ✔ Power plant for electricity supply
- ✔ Household heating system and hot water supply

### Advantages:

- ✔ Green energy
- ✔ Environmental friendly
- ✔ Reduce carbon footprint
- ✔ Renewable fuel
- ✔ Convenient and easy to use, can be bulk stored as is occupying less space than other biomass fuel
- ✔ Pricing is stable as compared to fossil fuels

Product Name: **SY e-pellet**

Property	Common Specification
Appearance	Light to dark colour cylinders
Wood Species	Mixed Hardwood / Planted Tree Material
Diameter	8mm
Length	25-35mm
Gross Calorific Value	4,100 - 4,200 kcal/kg
Net Calorific Value	4,000 - 4,100 kcal/kg
Bulk Density	min 550kg/m <sup>3</sup>
Ash Content	<2.0%
Moisture	<10%

\*Relevant and appropriate products requirement is available upon request