



Waste plastics to liquid fuel

Production of liquid fuel from PE, PP & PS

CFP Group
www.cfp-eco.com

CFP group was established in 2003 with a philosophy of « Challenge to the Future Possibility ». Since then, the company works tightly with plastic industry to promote material recycling and chemical recycling.

CFP Group developed a new thermal decomposition technology that prevents the solidification of the produced fuel under low temperatures (2 to -7° C). The produced liquid fuel can be used for a diesel generator, boiler, and for a heavy machinery. For 1kg of waste plastics are transformed into 1L of liquid fuel that can produce 4 to 5kW with a diesel engine.

The technology is in use since 8 years in Japan, and waste plastics from MSW and industries (production lines) can be transformed into fuel. Layered packaging films (PE/PA) can be used if PA ratio is relatively low. Unlike conventional batch-type plastic to fuel refining processes, it is a continuous process that prevents from the excessive pressure rise. In addition, nitrogen gas is purged constantly into the refining system to remove the oxygen that can lead to the oxidation of the produced liquid fuel.

