

PLASTIC TO DIESEL

Input waste:

- mixed waste plastic

Output material:

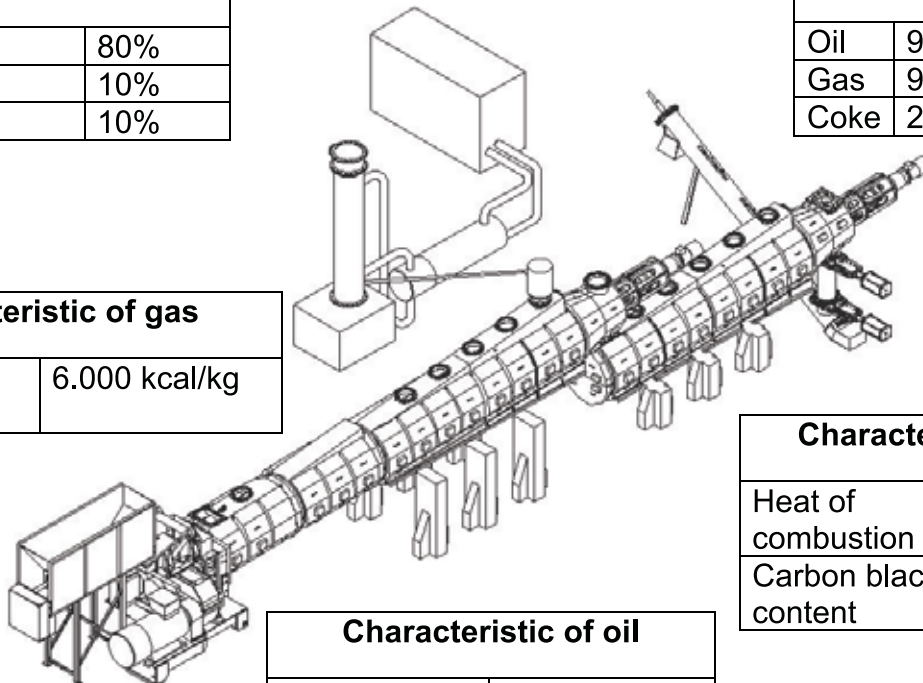
- oil
(yield: 1 kg of polymer = 1 lit. of oil)
- gas
- coke



Input waste (11.000 ton/year)	
Polymer	80%
Moisture	10%
Not polymer	10%

Output	
Oil	9.600.000 lit/year
Gas	900 ton/year
Coke	2000 ton/year

Characteristic of gas	
Heat of combustion	6.000 kcal/kg



Characteristic of coke	
Heat of combustion	5.000 kcal/kg
Carbon black content	20-60%

Characteristic of oil	
Heat of combustion	9.000 kcal/kg
Sulfur	0,02%
Flash point	35°C