

## FEEDSTOCK - MIX OF POLYPROPYLEN, POLYAMIDE, POLYETHENE, WOOD

### Composition of Mixture

The composition of the Feedstock is approximately as follows:

Polypropylene:	20 %
Polyamide:	20 %
Polyethylene:	10 %
Wood:	50 %



### Diesel yield per ton of Plastic - Wood Mixture in dependency of the water content

In the following table you can see the amount of diesel which can approximately be produced from one ton of Plastic (PP-PA-PE) - Wood Mixture in dependency of the water content.

Water content (%)	0%	5%	10%	15%	20%	25%	30%	35%	40%	45%	50%
Heating value (kwh/kg)	8,05	7,61	7,18	6,75	6,31	5,88	5,44	5,01	4,58	4,14	3,71
Heating value (MJ/kg)	28,97	27,41	25,85	24,28	22,72	21,16	19,60	18,04	16,48	14,92	13,36
Diesel yield (kg)	552	522	492	463	433	403	373	344	314	284	254
Dieselyield (l)	649	614	579	544	509	474	439	404	369	334	299

Table 1 – Diesel yield from Plastic - Wood mixture in dependency of the water content