

## Product characteristics

The company Ecohydrocarbon as part of its activities deals with processing (utilization) of polymer waste, mainly from plastics, in the process of thermal degradation.

The process is conducted out under low temperature pyrolysis conditions. The products of the process are liquid hydrocarbon mixtures.

Ecohydrocarbon in its offer, as of today, has 2 types of liquid hydrocarbon mixtures with different physical and chemical properties.

## Application example

Liquid hydrocarbons find application as a component of engine gasoline and as a raw material in the chemical industry (component of component for paints, solvents).

## Physical and-chemical properties

Parameter	Test method	Results	Results
		Mixture of liquid hydrocarbons number 1	Mixture of liquid hydrocarbons number 2
Density at 15°C	PN-EN ISO 12185:2002	768,4 kg/m <sup>3</sup>	<a href="#">791.8</a> kg/m <sup>3</sup>
Fractional composition:	PN-EN ISO 3405:2012		
Initial boiling point, IBP		38,8 °C	51,7 °C
Temp. at 5 % distilled volume		66,5 °C	84,7 °C
Temp. at 10 % distilled volume		75,6 °C	93,7 °C
Temp. at 20 % distilled volume		85,9 °C	106,4 °C
Temp. at 30 % distilled volume		94,0 °C	119,3°C
Temp. at 40 % distilled volume		102,5 °C	133,5 °C
Temp. at 50% distilled volume		111,6 °C	149,7 °C
Temp. at 60 % distilled volume		122,0 °C	165,7 °C
Temp. at 70 % distilled volume		134,9 °C	187,9 °C
Temp. at 80 % distilled volume		153,6 °C	211,7°C
Temp. at 90 % distilled volume		183,0 °C	242,8 °C
Temp. at 95 % distilled volume		207,4 °C	272,5 °C

Final boiling point, FBP		240,6 °C	303,0 °C
Efficiency		97,5 %	98,4 %
Residue		1,3 ml	1,2 ml
Volume of the loss		1,2	0,4

### **Available volume of products**

The company Ecohydrocarbon has products in quantities:

Liquid hydrocarbon mixture No. 1 - 4 thousand liters,

Liquid hydrocarbon mixture No. 2 - 12,000 Liters.