

'Green Technology'

Final Processed Products of HNC Pyro ATM – Waste to Fuel Recycle Machine

Rubber, Plastic, Used Oil → Diesel, Gasoline, Gas +

Production Yield Rate: for Steel-Wire Tyres

Products Retrieve	Percentage (%)
Diesel	40.00%
Gasoline	5%
Heavy oil	10%
Carbon black	30%
Steel wire	10%
Waste gas	5%

*Please note that the value or the percentages for the above results are depends on the type and brand of tyres, rubbers or plastics. For other types of tyres, the value are slightly different.

Carbon Black Test Results

Testing item	Testing basis	Standard value	Testing value
iodine absorption value g/kg	GB/T3780.1	43±6	100
DBP absorption 10-5 m3/kg	GB/T3780.2	43±6	59
Heating loss %	GB/T3780.8	≤1.5	0.3
Ash content %	GB/T3780.10	≤0.5	1.6
150 um Residue %	GB/T3780.11	0.02	0
Impurity	GB/T3780.12	0	0
300%Stretching stress Mpa	GB/T3780.18	15.0— 18.2	6.3
Tensile strength MPa	GB/T3780.18	20.0— 21.6	23.2
Elongation at break %	GB/T3780.18	379— 419	642



"Environmentally Friendly Fuels"

Diesel Index

Item	Number
Oxidation stability	2.0
Sulfur content %	0.005
10%steam over carbon residues %	0.25
Ash%	0.008
Copper corrosion	1.1
Water%	traces
Density	0.85
Condensation point/°C	-10
Flash point/°C	45
Campaign viscosity	2.5
Combustion value	9500
Color	1.2
Cetane number	43

Gasoline Index

	Gasoline
Formula	C_6-C_{12}
Density (20°Ckg/L)	0.75
Boiling point (°C)	70-97
Campaign viscosity (20°C) (Pas:10 ⁻³)	0.1
Octane number (RON)	82
Ignition temperature (°C)	330



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