

POWERGOM Original A

Specifications according to NF EN 15359

Part 1

Origin and class

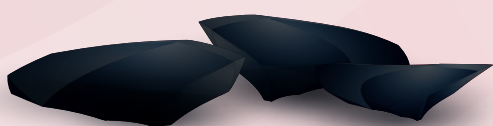
Origin: end-of-life tyres from light passenger car

Physical parameters

Particle shape: shreds		Granulometry: 35-110 mm d85	
	Unit	Typical value	Protocol
Ash content	% dry	22.9	EN 15403
Moisture content	% ar	< 1	
Net calorific value	MJ/kg ar	28.4	EN 15400
	MJ/kg dry	28.4	EN 15400

Chemical parameters

	Unit	Typical value	Protocol
Chlorine (Cl)	% dry	0.01 - 0.02	EN 15408
Antimony (Sb)	mg/kg dry	< 7	EN 15407
Arsenic (As)	mg/kg dry	1 - 3	EN 15407
Cadmium (Cd)	mg/kg dry	< 5	EN 15407
Chromium (Cr)	mg/kg dry	2 - 6	EN 15407
Cobalt (Co)	mg/kg dry	70 - 100	EN 15407
Copper (Cu)	mg/kg dry	30 - 70	EN 15407
Lead (Pb)	mg/kg dry	10 - 20	EN 15407
Manganese (Mn)	mg/kg dry	1 - 10	EN 15407
Mercury (Hg)	mg/kg dry	< 0.1	DIN ISO 16772(A)
Nickel (Ni)	mg/kg dry	2 - 5	EN 15407
Thallium (Tl)	mg/kg dry	< 5	EN 15407
Vanadium (V)	mg/kg dry	< 7	EN 15407
Σ heavy metals	mg/kg dry	116 - 214	



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Part 2

Origin and preparation

Fuel preparation: shredding of end-of-life tyres

Biomass content

Biomass content: 18.9 %

Biomass content

Composition	Wood	Paper	Plastic	Rubber	Textile	Other
Dry product	0%	0%	0%	78.2 %	7.4 %	14.4 %
Other: metal						

	Unit	Typical value	Protocol
Bulk density	kg/m ³	0.5	

Physical parameters

	Unit	Typical value	Protocol
Aluminium, metal	% dry	0	
Carbon (C)	% dry	64 - 68	EN 15407
Hydrogen (H)	% dry	5.8 - 6.4	EN 15407
Nitrogen (N)	% dry	0.5 - 0.6	EN 15407
Sulphur (S)	% dry	1.3 - 1.4	EN 15408
Bromine (Br)	mg/kg dry	20 - 30	EN 15408
Fluorine (F)	mg/kg dry	< 20	EN 15408

Main elements	Aluminium (Al)	mg/kg dry	400 - 700	EN 15410
	Iron (Fe)	% dry	12 - 16	EN 15410
	Potassium (K)	mg/kg dry	200 - 300	EN 15410
	Sodium (Na)	mg/kg dry	300 - 400	EN 15410
	Silicon (Si)	% dry	1.8 - 2.4	EN 15410
	Phosphorus (P)	mg/kg dry	100 - 200	EN 15410
	Titanium (Ti)	mg/kg dry	30 - 60	EN 15410
	Magnesium (Mg)	mg/kg dry	200 - 400	EN 15410
	Calcium (Ca)	mg/kg dry	2000 - 3000	EN 15410
Trace elements	Molybdenum (Mo)	mg/kg dry	2 - 4	EN 15407
	Zinc (Zn)	% dry	1.1 - 1.3	EN 15407
	Barium (Ba)	mg/kg dry	4 - 8	EN 15407
	Beryllium (Be)	mg/kg dry	< 7	EN 15407
	Selenium (Se)	mg/kg dry	< 9	EN 15407

