

Artificially aged Polyethylene (PE)

Art. ID	BAM-P201
Unit	10 mg (powder-fragments)
Deliverydetails	No Dangerous Good /not restricted

Description

Application: Ecotoxicological experiments /// The present material is a reference material close to reality for the validation of sampling, sample preparation and detection of microplastics. At the same time, it can be used for the evaluation of effects in the field of ecotoxicology, human toxicology, pollutant transport and agglomeration behaviour related to microplastics /// The RM was characterised by measuring the particle size distribution by laser diffraction with dry powder dispersion, determining the carbonyl index by Fourier transform infrared spectroscopy and differential scanning calorimetry.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Particle size D10		19,9 ± 0,3	µm		
	Particle size D50		61,2 ± 1,4	µm		
	Particle size D90		158,6 ± 7,5	µm		