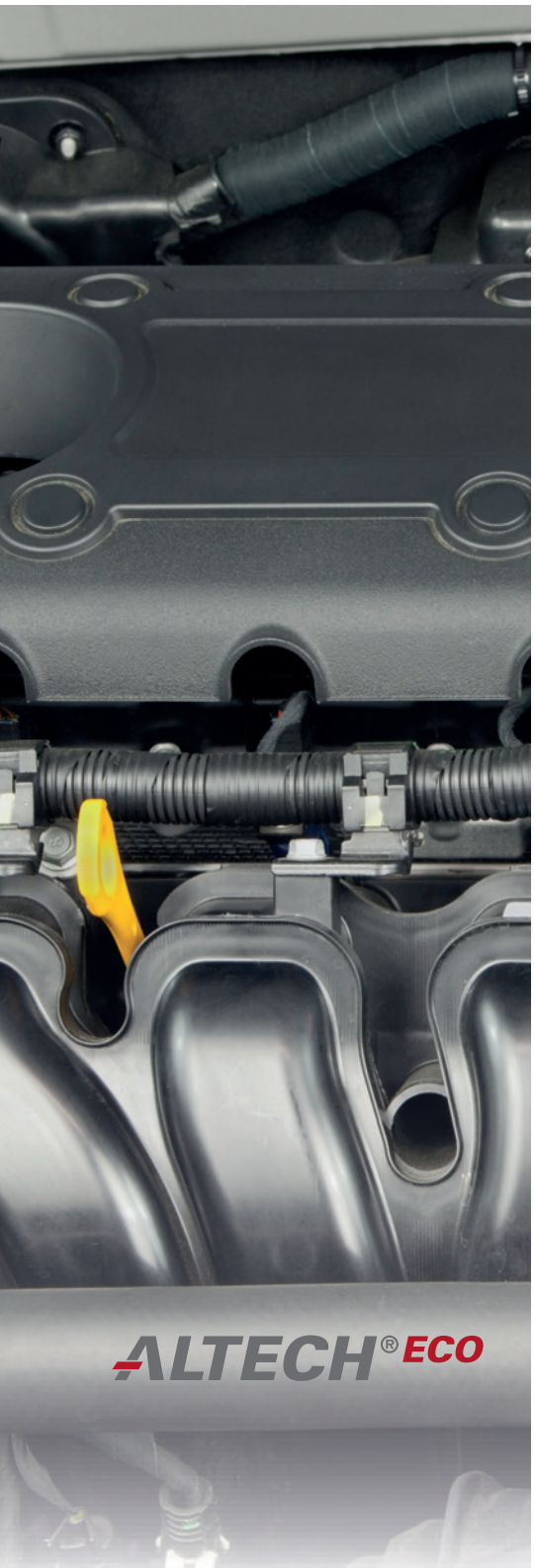
ALTECH® ECO

Recycling Compounds



ALTECH® ECO recycling-based compounds combine the high quality of ALTECH® products with the sustainability of recycled resources.

Continuously increasing demand for plastics given limited fossil resources calls for an ever-increasing use of recycled materials. Moreover consumers with a growing ecological consciousness demand new solutions in terms of material selection.

ALTECH® ECO compounds consisting of up to 100% recycled polymers address these requirements. Based on carefully selected raw materials, recycling-based compounds supplement the ALTECH® portfolio with a range of sustainable engineered thermoplastics. Decades of experience in compounding engineered thermoplastics enable ALBIS PLASTIC to achieve material properties of ALTECH® ECO products comparable to those based on prime materials. This **"Near-to-Prime®"** quality is ensured by prudent selection of raw materials, stringent quality controls and narrow production tolerances. Thus trouble-free processing (for example during injection moulding) is warranted.

The ALTECH® ECO portfolio offers customized products for various applications. Based on recycled PA6, PA66, PP, PC and ABS, ALBIS PLASTIC provides a sustainable product portfolio with a broad range of properties on a high technical level. Glass fiber reinforcement, impact modification and heat aging resistance are only a few of the unlimited possibilities the ALTECH® ECO product range has to offer.

Representatives of the ALTECH® ECO family are already in use at well-known manufacturers and OEMs in the automotive, E & E, appliances and other industries. Engine beauty covers, cam covers, air filters and UV resistant lighting housings are only a few examples for the use of recycling-based ALTECH® ECO compounds.

ALTECH® ECO: advantages at a glance

- Low carbon footprint through recycling
- "Near-to-Prime" quality
- Wide range of products for various uses and applications
- Tailor-made performance
- Easy processing
- Cost efficiency

Polymer	Product Type	Product description	Density [kg/m3] ISO 1183	Tensile modulus [MPa] ISO 527-1/-2	Tensile strength [MPa] ISO 527-1/-2	Tensile elongation at break [%] ISO 527-1/-22	Charpy notched impact strength (23°C) [kJ/m²] ISO 179/1eA	HDT / A 1.8 MPa [°C] ISO 75-1/-2
PA6	AT PA6 ECO 2025/509	25% glass fibres, heat ageing stabilisation	1310	8000	115	3,0	6	198
	AT PA6 ECO 2030/219	30% glass fibres, heat ageing stabilisation	1320	9000	125	2,0	9	205
	AT PA6 ECO 4230/100	10% glass fibres, 20% mineral	1360	6000	110	2,5	4	185
PA66	AT PA66 ECO 1000/116	impact modified, high heat stabilised	1120	2600	60	25	8	60
	AT PA66 ECO 1000/561	impact modified	1120	2600	60	25	8	60
	AT PA66 ECO 2030/310	30% glass fibres, heat ageing stabilisation	1350	9400	160	4,5	13	250
	AT PA66 ECO 2035/106	35% glass fibres, heat aging stabilised	1420	11000	165	3,0	8	244
PC	AT PC ECO 1000/121	impact modified, UV-stabilised	1200	2300	60	40	60	122
	AT PC ECO 1000/128	UV-stabilised, transparent colours	1200	2200	65	80	10	120
	AT PC ECO 1000/141	impact modified, UV-stabilised, flame retardant	1200	2500	60	67	60	120
	AT PC ECO 2010/121	10% glass fibres, UV-stabilised, impact modified	1300	3900	70	4,0	8	140
	AT PC ECO 2015/509	15% glass fibres	1300	5400	90	3,5	9	141
PC + ABS	AT PC+ABS ECO 1000/500	high impact resistance	1200	2400	60	30	65	130 (Vicat B50)
	AT PC+ABS ECO 1000/510	high flowability	1150	2400	60	15	40	128 (Vicat B50)
PC + ASA	AT PC+ASA ECO 1000/506	processing stabilised	1150	2000	50	100	90	120 (Vicat B50)
PP Homo	AT PP-H ECO 2030/550	30% glass fibres, heat ageing stabilisation	1120	5200	70	65	8	130
	AT PP-H ECO 4920/570	20% talc, heat ageing stabilisation	1060	1800	26	27	3	55
	AT PP-H ECO 4940/500	40% talc, heat ageing stabilisation	1200	2800	23	5	3	70
PET + PBT	AT PET+PBT ECO 2030/100	30% glass fibres	1550	10000	140	3,5	10	205

Further products and information upon request.

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