

ALTECH[®]ECO

Recycling Compounds



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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/m ³] ISO 1183	Tensile modulus [MPa] ISO 527-1/-2	Tensile strength [MPa] ISO 527-1/-2	Elongation at break [%] ISO 527-1/-2	Charpy notched impact strength [kJ/m ²] (23 °C) ISO 179/1eA	HDT / A 1.8 MPa [°C] ISO 75-1/-2
PA6	ALTECH® PA6 ECO 2025/509	25% glass fibers, heat ageing stabilization	1,310	8,000	115	3.0	6	198
	ALTECH® PA6 ECO 2030/570	30% glass fibers, heat ageing stabilization	1,360	9,000	140	3.0	7	198
	ALTECH® PA6 ECO 4230/100	10% glass fibers, 20% mineral	1,360	6,000	110	2.5	4	185
PA66	ALTECH® PA66 ECO 1000/116	Impact modified, high heat stabilized	1,120	2,600	60	25	8	60
	ALTECH® PA66 ECO 1000/561	impact modified	1,120	2,600	60	25	8	60
	ALTECH® PA66 ECO 2030/116.01	30% glass fibers, impact modified	1,300	8,800	135	3.0	6	235
	ALTECH® PA66 ECO 2035/500	35% glass fibers, heat ageing stabilized, hot oil resistant, approved to WRS-M4D673-B2	1,420	10,500	140	2.0	6	235
PC	ALTECH® PC ECO 1000/121	impact modified, UV-stabilized	1,200	2,300	60	40	60	122
	ALTECH® PC ECO 1000/128	UV-stabilized, transparent colours	1,200	2,200	65	80	10	120
	ALTECH® PC ECO 1000/141	impact modified, UV-stabilized, flame retardant	1,200	2,500	60	67	60	120
	ALTECH® PC ECO 2010/121	10% glass fiber, impact modified, UV-stabilized	1,300	3,900	70	4.0	8	140
	ALTECH® PC ECO 2015/509	15% glass fibers	1,300	5,400	90	3.5	9	141
PC+ABS	ALTECH® PC+ABS ECO 1000/500	High impact resistance	1,200	2,400	60	30	65	130 (Vicat B50)
	ALTECH® PC+ABS ECO 1000/510	High flowability	1,150	2,400	60	15	40	128 (Vicat B50)
PC+ASA	ALTECH® PC+ASA ECO 1000/506	Processing stabilized	1,150	2,000	50	100	90	120 (Vicat B50)
PP Copo	ALTECH® PP-B ECO 4920/570	20% talc, heat ageing stabilized	1,050	2,000	12	36	7	62
PP Homo	ALTECH® PP-H ECO 2030/550	30% glass fibres, heat ageing stabilized	1,120	5,200	70	3.0	8	130
	ALTECH® PP-H ECO 4920/570	20% talc, heat ageing stabilized	1,060	1,800	26	27	3	55
	ALTECH® PP-H ECO 4940/500	40% talc, heat ageing stabilized	1,200	2,800	23	5.0	3	70

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Additional products and information are available on request.

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