

Altech® Flame-Retardant Portfolio

Solutions in Prime and Recycling (ECO) quality

With our flame-retardant and glass fiber-reinforced polyamides, we offer you modern solutions for demanding applications. Whether in e-mobility, electrical installation, household appliances, or many other industries, our materials meet the highest standards of safety, sustainability, and versatility.

Discover innovative materials that combine safety, performance and flexibility.

The Altech® PA FR grades are characterized by excellent flame resistance in accordance with UL94 V-0 and the flame retardant system used is completely halogen- and PFAS-free.

Another highlight: Our Altech® PA FR ECO grades are containing up to 31 % of recycled material, which contributes to a lower carbon footprint. Our ECO grades offer near-to-prime properties – for uncompromising quality and sustainable business practices. Individual customer colors enable optimal adaptation to your design requirements.

Altech® PA FR materials: advantages at a glance

- Flame-retardant UL94 V-0
- Halogen free
- PFAS free
- High mechanical performance
- Global availability
- Reduced product carbon footprint (PCF) by up to 65 % compared with selected virgin reference grades (based on internal LCA calculations)

Overview of global Altech® flame-retardant portfolio

Class	Benefits	Polymer & Filler	Region	Colors	UL94 1.5/ 3.0 mm	GWFI 1.0 mm & 2.0 mm	GWIT 1,0 mm (2.0 mm)	CTI	Tensile Modulus	Tensile Stress at break	Charpy Impact strength	Charpy notched impact strength
Unit						°C	°C	V	MPa	MPa	kJ/m²	kJ/m²
Altech® PA6 A 1000/149	UL	PA6 unfilled	Global	BK, NC	V-0	960	875	600	3,400	75	65	3.5
Altech® PA66 A 1000/109	UL, laser	PA66 unfilled	Global	BK, GY, WT, BL, LS	V-2	850	–	600	3,300	90	NB	5
Altech® PA6 A 2030/546		PA6 GF30	Global	BK	V-0 (0.75 mm)	960	750 (775)	600	11,000	130	63	10
Altech® PA6 ECO 2030/ 546	recycling	PA6 GF30	Global	BK	V-0 (0.75 mm)	960	750 (775)	600	10,500	115	45	7
Altech® PA6 A 2030/146	budget	PA6 GF30	Global	BK	V-0	960	–	600	10,500	140	55	8
Altech® PA66 A 2030/547		PA66 GF30	Global	BK	V-0 (0.75 mm)	960	750	600	10,700	150	60	9
Altech® PA66 ECO 2030/ 547	recycling	PA66 GF30	Global	BK	V-0 (0.75 mm)	960	750	600	10,500	140	42	7
Altech® PA66 A 2030/147	budget	PA66 GF30	Global	BK	V-0	960	–	600	10,500	180	55	7
Altech® PA6 ECO 2030/ C546.01	recycling	PA6 GF30	APAC	BK	V-0	960	–	–	9,800	120	73	13
Altech® PA66 ECO 2030/ 540.05 LWT	recycling	PA66 GF30	APAC	BK, LWT	V-0 (0.75 mm)	960	–	–	10,500	130	68	11
Altech® PA66 ECO 2030/ 546	recycling	PA66 GF30	APAC	BK	V-0	960	725	–	10,200	130	75	9
Altech® PA6 A 2030/ C54X.0X		PA6 GF30	APAC	BK, LWT, OR	V-0	960	–	–	9,800	125	75	15
Altech® PA66 A 2030/ C54X.01	UL	PA66 GF30	APAC	BK, OR	V-0 (0.75 mm)	960	750 (775)	600	10,500	145	70	11
Altech® PA66 A 2030/ C546.03	heat	PA66 GF30	APAC	BK	V-0	960	750 (775)	600	9,600	142	65	10
Altech® PA66/6T A 2025/ C546.04	tracking, heat	PA66/6T GF25	APAC	BK	V-0 (0.75mm)	960	750 (775)	900	8,200	125	40	6

UL listed · laser sensitive version available · high recycling content · budget friendly
high tracking resistance · high heat resistance

MOCOM can offer tailormade polyamide flame-retardant formulations to meet individual customer requirements, no matter if virgin or recycled material solutions are required. Individual customer requests such as filler type, color, and other material specifications can be customized according to specific application needs on request.

MOCOM Compounds GmbH & Co. KG
Mühlenhagen 35 | 20539 Hamburg
T +49 40 999960-399 | sales@mocom.eu
T +49 40 999960-398 | technical@mocom.eu
mocom.eu

Any information given on the chemical and physical characteristics of our products, including, without limitation, technical advice on applications, whether verbally, in writing or by testing the product, is given to the best of our knowledge and in good faith and does not exempt the buyer from carrying out their own investigations and tests in order to ascertain the product's specific suitability for the purpose intended. The buyer is solely responsible for confirming the suitability of the product for a particular application, its utilization and processing and must observe any applicable laws and government regulations. NO EXPRESS OR IMPLIED RECOMMENDATION OR WARRANTY IS GIVEN WITH REGARD TO THE SUITABILITY OF THE PRODUCT FOR A PARTICULAR APPLICATION, SUCH AS, BUT NOT LIMITED TO, SAFETY-CRITICAL COMPONENTS OR SYSTEMS.