



## ❖ 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.**

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.

Discover innovative materials that combine safety, performance and flexibility.

#### 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            |    | PA6 unfilled     | Global | BK, NC             | V-0              | 960                  | 875                  | 600 | 3,400           | 75                      | 65                     | 3.5                            |
| Altech® PA66 A 1000/109           |    | 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, NC, OR         | V-0 (0.75 mm)    | 960                  | 750 (775)            | 600 | 11,000          | 130                     | 63                     | 10                             |
| Altech® PA6 ECO 2030/ 546         |    | PA6 GF30         | Global | BK, OR             | V-0 (0.75 mm)    | 960                  | 750 (775)            | 600 | 10,500          | 115                     | 45                     | 7                              |
| Altech® PA6 A 2030/146            |    | PA6 GF30         | Global | BK                 | V-0              | 960                  | –                    | 600 | 10,500          | 140                     | 55                     | 8                              |
| Altech® PA66 A 2030/547           |                                                                                     | PA66 GF30        | Global | BK, NC             | V-0 (0.75 mm)    | 960                  | 750                  | 600 | 10,700          | 150                     | 60                     | 9                              |
| Altech® PA66 ECO 2030/ 547        |    | PA66 GF30        | Global | BK, NC             | V-0 (0.75 mm)    | 960                  | 750                  | 600 | 10,500          | 140                     | 42                     | 7                              |
| Altech® PA66 A 2030/147           |    | PA66 GF30        | Global | BK, NC             | V-0              | 960                  | –                    | 600 | 10,500          | 180                     | 55                     | 7                              |
| Altech® PA6 ECO 2030/ C546.01     |    | PA6 GF30         | APAC   | BK                 | V-0              | 960                  | –                    | –   | 9,800           | 120                     | 73                     | 13                             |
| Altech® PA66 ECO 2030/ 540.05 LWT |    | PA66 GF30        | APAC   | BK, LWT            | V-0 (0.75 mm)    | 960                  | –                    | –   | 10,500          | 130                     | 68                     | 11                             |
| Altech® PA66 ECO 2030/ 546        |   | 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      |  | 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      |  | PA66 GF30        | APAC   | BK                 | V-0              | 960                  | 750 (775)            | 600 | 9,600           | 142                     | 65                     | 10                             |
| Altech® PA66/6T A 2025/ C546.04   |  | 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.