

Solutions for flame retardant applications

At ALBIS, we understand the importance of fire safety in protecting people, property, and equipment. That's why we offer a range of flame retardant products that comply with UL94 from Underwriters Laboratories, one of the most widely recognized standards in the industry. Our smart plastics are designed to meet the highest fire safety standards and help minimize the risk of fire in various applications. In addition to our UL94 compliant products, we are also equipped to help you design products that meet additional fire safety standards. Our team of experts can work with you to ensure that your products meet all relevant safety regulations and standards.

Product examples	Polymer / Filler	HDT A 1.80 MPa [°C]	Impact Strength [kJ/m²]	UL 94 Class [mm]	GWIT	GWFI	CTI	Halogen- Free flame retardant
Standard		ISO 75-1/-2	(Charpy, 23 °C, cond., unnotched notched) ISO 179/1eA ISO 179/1eU	UL 94	IEC 60695-2-13	IEC 60695-2-12	IEC 60112	
Ultramid® A A3U42G6	PA66+PA6 GF30	230	75 11	VO (0.4)	-	960 (1.0)	600	yes
Ultramid® Advanced T2000 T2040G6	PA6T/6I GF30	275	80 8	VO (0.4)	-	960 (1.5)	600	yes
Ultramid® Advanced T KR T KR 4340 G6	PA6T/6 GF30	240	50 8	VO (0.4)	775 (0.4)	960 (0.4)	600	yes
Ultramid® Advanced N N3U40G6	PA9T GF30	260	50 7	VO (0.4) 5VA (1.6)	800 (1.0)	960 (1.5)	600	yes
Ultradur® B4441 G5	PBT GF25	210	45 7	VO (0.4) 5VA (1.6)	800 (1.0)	960 (1.0)	525	yes
Ultrason® P 3010	PPSU	198	n.b. 70	VO (1.5)	-	-	150	yes
Makrolon® 6265 X	PC	124	n.b. 65	VO (1.5)	875 (0.75)	960 (0.75)	225	no
Makrolon® 9425	PC GF20	138	40 8	VO (1.5)	875 (0.75)	960 (0.75)	225	no
Bayblend® FR3030	PC/ABS	98	n.b. (Izod) 40 (Izod)	VO (1.5) 5VA (3.0)	825 (1.5)	960 (1.0)	350	yes
Pocan® BF4232	PBT GF30	205	55 10	VO (0.75)	775 (0.4)	960 (0.4)	250	no
Pocan® BFN4231	PBT GF25	210	40 -	VO (0.4) 5VA (1.5)	850 (0.4)	960 (0.4)	575	yes
Durethan® BKV25F30	PA6 GF25	205	55 15	VO (0.4) 5VA (1.0)	850 (0.4)	960 (0.4)	400	no
Durethan® BKV25FN27	PA6 GF25	170	70 10	V2 (0.75)	725 (0.75)	960 (0.75)	550	yes
Durethan® BKV25FN04	PA6 GF25	200	65 13	VO (0.75) 5VA (1.5)	775 (0.75)	960 (0.75)	600	yes
Durethan® BG30FN05	PA6 GF30	100	60 10	VO (0.4)	960 (0.4)	960 (0.4)	550	yes
Amodel® HFFR 4133	PPA GF33	300	48 (Izod) 8 (Izod)	VO (0.2)	960 (0.2)	960 (0.2)	600	yes
Ixef® 1524	PARA GF50	227	48 9	VO (0.4)	960 (0.4)	775 (0.4)	600	yes
Kalix® 5950 HFFR	PA GF50	245	15 (Izod) 50 (Izod)	VO (0.4) 5VA (1.5)	960 (0.4)	800 (0.4)	600	yes
Omnix® 6025 HFFR	PA GF25	179	66 10	VO (0.4)	-	-	600	yes
Skytra® 5220F	PET GF30	225	- 90 (Izod)	VO (0.8) 5VA (1.5)	960 (0.7)	930 (0.7)	250	no
Tedur® HTR	PPS GF/Mineral	276	16 -	VO (0.75)	-	-	600	yes
Ecotran® E 2130 TM	PPS GF/Mineral	265	67 11.5	VO (0.8)	-	-	175	yes
Vamplen® 2528 VO CB	PP GF25	145	30 (Izod) 10 (Izod)	VO (1.6)	960 (1.5)	850 (1.5)	600	yes

® indicates a registered trademark, ™ indicates an unregistered trademark, each belonging to the respective/indicated brand owner

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