

Flame-Retardant Polyamides for EN 45545-2 Applications

For critical safety performance in challenging applications, Starflam® flame-retardant polyamides are the material of choice. Ascend offers a broad portfolio of halogen-free flame-retardant polyamides that meet European railway standard EN 45545-2 fire safety requirements. With unreinforced and glass fiber reinforced grades, Starflam materials deliver a wide range of mechanical properties. From cable management systems to electrical switchgears and structural applications, the Starflam portfolio has the perfect material to meet the highest safety standards without compromising polyamide performance.



EN 45545-2 Ratings



	Brand	Grade designation	Base resin	R22	R23	R24	R25	R26
Unreinforced	Starflam	P10002E	PA 6	HL 3	HL 3		HL 3 (960)	HL 3 (V-0)
	Vydyne	21SPF1	PA 66	HL 2	HL 2		HL 3 (960)	V-2
	Vydyne	22HSP	PA 66	HL 2	HL 2			V-2
	Starflam	315J	PA 66/6	HL 2	HL 2		HL 3 (960)	HL 3 (V-0)
	Starflam	366H	PA 66	HL 3	HL 3		HL 3 (960)	HL 3 (V-0)
GF 25	Starflam	PF0057E	PA 6	HL 3	HL 3		HL 3 (960)	HL 3 (V-0)
	Starflam	PZ0052E	PA 6	HL 2	HL 2		HL 3 (850)	V-2
	Starflam	525H	PA 66	HL 3	HL 3	HL 3	HL 3 (960)	HL 3 (V-0)
	Starflam	525K	PA 66	HL 2	HL 2	HL 3	HL 3 (960)	HL 3 (V-0)
	Starflam	RF0057E	PA 66				HL 3 (960)	HL 3 (V-0)
	Starflam	RF0057P	PA 66 + PA 6	HL 3	HL 3		HL 3 (960)	HL 3 (V-0)
GF 30	Starflam	RF0068E	PA 66	HL 3	HL 3		HL 3 (960)	HL 3 (V-0)
	Starflam X-Protect	RF0067K	PA 66-X	HL 3	HL 3		HL 3 (960)	HL 3 (V-0)
GF 35	Starflam	RF0077E	PA 66			HL 3	HL 3 (960)	HL 3 (V-0)
	Starflam	RF0077P	PA 66 + PA 6	HL 3	HL 3		HL 3 (960)	HL 3 (V-0)

For more information, contact our expert applications specialists or visit ascendmaterials.com.

©2023 Ascend Performance Materials Operations LLC. The Ascend Performance Materials, Vydyne and HiDura marks and logos are trademarks or registered trademarks of Ascend Performance Materials Operations LLC. Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Ascend Performance Materials Operations LLC makes no representations or warranties as to the completeness or accuracy thereof. The full disclaimer of warranty and liability can be found at ascendmaterials.com/disclaimer.

REV 10/2023