

Flame-Retardant Nylon 6

ASPEX-PA6FR

A flame-retardant nylon 6 powder material.

Building parts made from recycled materials, has obtained UL94 V-2 flame retardancy certification*.

● Key Characteristics

ASPEX-PA2FR has excellent strength, surface quality, and flame retardancy, and it self-extinguishes upon ignition, making it suitable for aerospace, defense, automotive, home appliances, and industrial equipment applications.

Flame retardancy / Self-extinguishing / High toughness

● Material properties

	Property values	Applicable standards
Maximum Tensile stress	-	JIS K7161
Tensile Modulus	-	JIS K7161
Elongation at break	-	JIS K7161

The listed data is subject to change without prior notice.

Coming soon

● Main Applications

Defense industry components, Aerospace components, Automotive parts, Digital spares, etc.

● V-2 Flame retardancy certification conditions:

Blue card program UL94-V2 standard

Machine : RaFaEl II 300-HT

Layer pitch : 0.1mm

Material : ASPEX-PA6FR Mixed (Virgin 40% + Recycled 60%)

Shape thickness : 1.5mm or above



RaFaEl II 300-HT

Work size(mm)	300×300×400
Laser type	CO ² 100w
Beam size	Φ0.32mm
Max scan speed	15m/sec

※Certification is granted only when the above conditions are met.

※There should be no materials other than ASPEX-PA6FR.

