Flame-Retardant Nylon 12

ASPEX-PA2FR

A flame-retardant nylon 12 powder material.

It has received Japan's first V-0 flame-retardant certification* and is applicable

to final products.



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	45MPa	JIS K7161
Tensile modulus	2706MPa	JIS K7161
Elongation at break	4.1% The listed data	JIS K7161 is subject to change without price

Main Applications

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

Flame retardant certification conditions

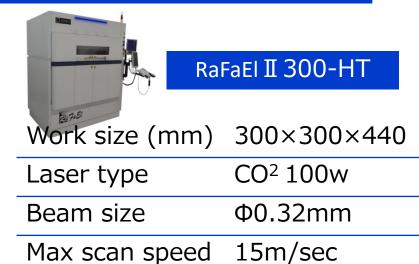
Machine: RaFaEl II 300-HT

AM-E³ 550-HT

Layer pitch: 0.1mm

Material: ASPEX-PA2FR virgin 80%* Shape thickness and UL classification:

V-0 thickness 3.0mm or above V-2 thickness 2.0mm or above HB thickness 1.5mm or above







 $[\]ensuremath{\mathbb{X}}$ Certification is granted only when the above conditions are met.

^{*} There should be no materials other than ASPEX-PA2FR.