

Perfluoro alkoxy alkane

ASPEX-PFA

Fluoro resin (Perfluoro alkoxy) Powder Material

Aspect is the first in the world to create 3D structures using fluoro resin materials through powder layering methods. It has heat resistance and chemical resistance comparable to PTFE (Polytetrafluoroethylene).

● Key Characteristics

ASPEX-PFA possesses characteristics equivalent to PTFE, with outstanding heat resistance, including a maximum continuous operating temperature of 260° C, and excellent chemical resistance, making it nearly impervious to almost all chemicals. Even without the addition of flowability aids, it has good recoating properties.

Chemical resistance/Heat resistance/Wear resistance/Flame retardancy

● Main Applications

Aerospace-related components

Semiconductor-related parts

Oil and gas-related components

PTFE replacement products etc.

● Material properties

	Property values	Applicable standards
Maximum Tensile Stress	18MPa	JIS K7161
Tensile Modulus	700MPa	JIS K7161
Elongation at Break	450%	JIS K7161



The listed data is subject to change without prior notice.