

# PA2210 FR

## Flame Retardant

high temperature material



### Applications

- Flame retardant
- High temperature resistant
- Suitable for aerospace industry testing
  - o Passes 12s burning test at wall thickness of 1.5 & 2mm.
- Suitable for electrical and electronic housings



### Physical Properties

Colour	White
Type	Flame retardant SLS material

### Mechanical Properties

		TEST/ISO
Flexural Modulus (MPa)	<b>2,300</b>	DIN EN ISO178
Tensile Strength, Z Direction (MPa)	<b>41</b>	Din EN ISO527
Tensile Strength, X, Y Direction (MPa)	<b>45</b>	
Tensile Modulus, Z Direction (MPa)	<b>2,300</b>	
Tensile Strength, X,Y Direction (MPa)	<b>2,500</b>	
Elongation Break (%)	<b>5</b>	
Impact Strength (J/m)	<b>3</b>	

### Thermal & Specific Properties

Melting Point (°C)	<b>176</b>	ISO 11357
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### Burning Behaviour

Flammability for parts	1.1mm	<b>UL94 / HB</b>
In devices & appliances	2.0mm	<b>UL94 / V-0</b>
Flammability Properties (Aircraft)	1.5 / 2.0mm 1.5 / 2.0mm 0.06 / 0.08 inches	<b>FAR25.853 b(4)</b> <b>ABD 0031 / AITM 2.0002</b> <b>BSS 7230 F2</b>
Smoke Generation (Aircraft)	1.5 / 2.0mm 1.5 / 2.0mm 0.06 / 0.08 inches	<b>FAR 25.853 (d)</b> <b>ABD 0031 / AITM 2.0007</b> <b>BSS 7238</b>
Toxic Gas Generation (Aircraft)	1.5 / 2.0mm 0.06 / 0.08 inches	<b>ABD 0031 / AITM 3.005</b> <b>BSS 7239</b>

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