

# 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)                 | 2,300 | DIN EN ISO178 |
| Tensile Strength, Z Direction (MPa)    | 41    | Din EN ISO527 |
| Tensile Strength, X, Y Direction (MPa) | 45    |               |
| Tensile Modulus, Z Direction (MPa)     | 2,300 |               |
| Tensile Strength, X,Y Direction (MPa)  | 2,500 |               |
| Elongation Break (%)                   | 5     |               |
| Impact Strength (J/m)                  | 3     |               |

### Thermal & Specific Properties

|                    |     |           |
|--------------------|-----|-----------|
| Melting Point (°C) | 176 | ISO 11357 |
|--------------------|-----|-----------|

### Burning Behaviour

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

Call: 028 9070 6940

Email: [sales@laserproto.com](mailto:sales@laserproto.com)

Web: [www.laserproto.com](http://www.laserproto.com)

[Click here to request a quote](#)

Please be advised that all information provided in this document is representative of typical properties and as advised by the material manufacturer. Performance characteristics of these products may vary according to product application, operating conditions or with end use.

Laser Prototypes Ltd makes no warranties of any type, express or implied, with respect to any of the goods or services supplied. This includes but is not limited to any warranty of fitness for a particular purpose or of properties or of suitability for a specific application. Data are subject to change without notice as part of our continuous development and improvement processes.