

## PA 2210 FR

<b>General Properties</b>			
	<b>Condition</b>	<b>Metric</b>	<b>US</b>
Bulk density	DIN 53466	0.52	g/cm <sup>3</sup>
Density of laser-sintered part	EOS method	1.05 ± 0.05	g/cm <sup>3</sup>
<b>Mechanical Properties</b>			
Tensile modulus	DIN EN ISO	2250 ± 150	MPa
Tensile strength	DIN EN ISO 527	45± 3	MPa
Elongation at break	DIN EN ISO 527	5.0 ± 1	%
Flexural strength	DIN EN ISO 178	45 ± 2	MPa
Flexural modulus	DIN EN ISO 178	1750 ± 100	MPa
<b>Thermal Properties</b>			
Melting point	DIN EN ISO	172 - 180	°C
<b>Burning Behaviour</b>			
Flammability of parts in devices and appliances	UL 94 / HB UL 94 / V-0	1.1 2.0	mm mm
Flammability properties (Aircraft)	FAR 25.853 b(4) ABD 0031 / AITM 2.0002 BSS 7238	1.5 / 2.0 1.5 / 2.0 0.06 / 0.08	mm mm inches
Smoke generation (Aircraft)	FAR 25.853 (d), Appendix F - Part V ABD 0031 / AITM 2.0007 BSS 7238	1.5 / 2.0 1.5 / 2.0 0.06 / 0.08	mm mm inches
Toxic gas generation (Aircraft)	ABD 0031 / AITM 3.0005 BSS 7239	1.5 / 2.0 0.06 / 0.08	mm inches

Conversion of units: 1.0 mm is equivalent to 0.03937

*\* The mechanical properties depend on the exposure parameters used. The data are based on our latest knowledge and are subject to changes without notice. They do not guarantee properties for a particular part and in a particular application.*