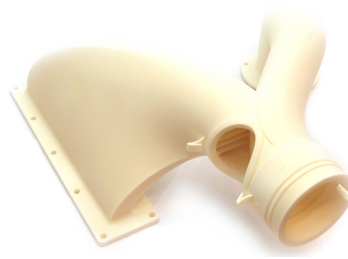
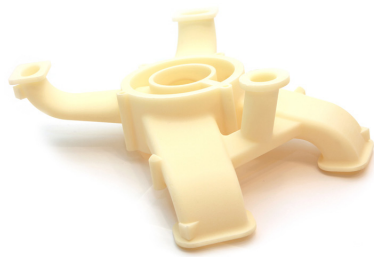




Flame Retardant Nylon PA 2241 FR



PA 2241 FR is a flame retardant polyamide 12 for processing in laser sintering systems. It contains a halogen-based flame retardant. Mainly due to its recyclability, the material is economical, enabling low-cost part production.

Typical applications: Aviation (behind panel applications eg. air ducts and air outlet valves).

Material Specification: Flame Retardant Nylon PA 2241 FR		Colour: White
3D Data:		Dry / Cond
Tensile Modulus	- X, Y, Z direction	1900 / 1600MPa
Tensile Strength	- horizontal direction (XY) - vertical direction (Z)	49 / 44MPa 46 / 41MPa
Strain at Tensile Strength	- horizontal direction (XY) - vertical direction (Z)	7 / 11% 6 / 8%
Strain at break	- horizontal direction (XY) - vertical direction (Z)	15 / 22% 6 / 9%
Temp. of deflection under load (1.80 MPa, X Direction)		84°C
Temp. of deflection under load (0.45 MPa, X Direction)		154°C
Thermal Properties:	Dry	Test Standard
Melting temperature (20°C/min)	185°C	ISO 11357-1/-3
Flammability test passed	1.0, 1.5, 2.0mm	CS 25 / JAR25 / FAR 25 § 25-853 12s Ignition Time
Smoke Density test passed	1.0, 1.5, 2.0mm	ABD 0031 (Issue: F), method: AITM 2.0007
Toxicity test passed	1.0, 1.5, 2.0mm	ABD 0031 (Issue: F), method: AITM 3.0005
Other Properties:	Dry / Cond	
Density (laser sintered)	1g/cm ³	
Bulk density	0.45g/cm ³	

**For further technical information or to obtain a quotation for your parts,
please contact us on +44 (0)1635 580284 or email your 3D CAD data to enquiries@3trpd.co.uk**

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