

Nylon PA12 White

Polyamide 12, Nylon 12

Key features

Nylon PA12 White guarantees good mechanical properties along all axes, resistance to chemical agents and moisture absorption. The color white gives a premium look and makes this material suitable for the widespread use of HP MJF 3D printing in applications before relegated to use injection molding or CNC machining. From conceptual prototype to mass production, it has what it takes.

Physical properties

Density	ISO 1183	1,01	g/cm3
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Mechanical properties

Tensile strength	ISO 527	44	MPa
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Elongation at break	ISO 527	12	%
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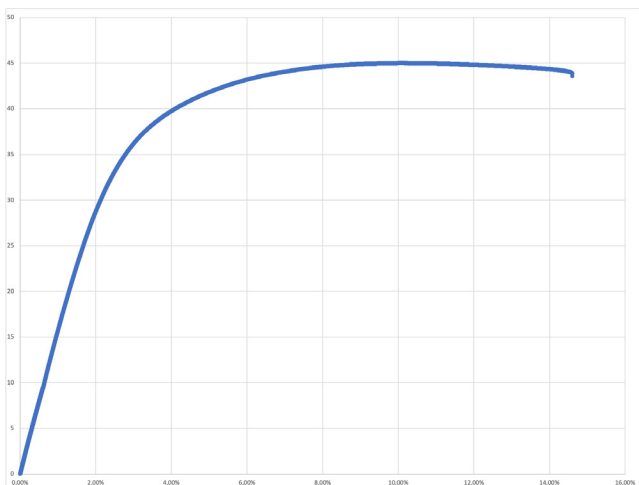
Elongation modulus	ISO 527	1600	MPa
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Bending strength	ISO 178	70	MPa
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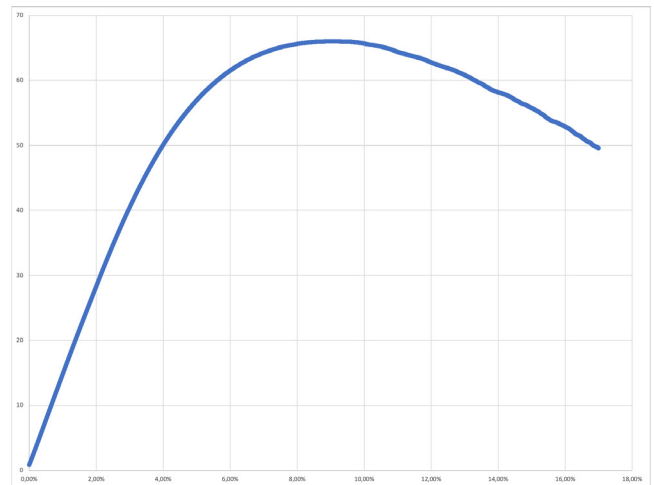
Bending modulus	ISO 178	1800	MPa
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Resilience	ISO 178	45	kJ/m2
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Tensile test



Bending test



All data is provisional from beta testing of the material and process. Additional tests and properties will integrate this datasheet as soon as available. Information contained in this data sheet is up-to-date and correct as at the date of issue. As Weerg cannot control or anticipate the conditions under which this product may be used, each user should review the information in the specific context of the planned use. To the maximum extent permitted by law, Weerg will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. No express or implied warranties are given other than those implied mandatory by law.