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PETG2206NC902-TDS

PETG for 3D printing

It is a cost-effective fiber-reinforced PETG pellet material, professionally adapted to large-scale equipment for 3D printing pellets. The material features a wide range of applicability, good fluidity, easy printing and molding, and is safe and odorless. It provides a balanced set of properties, with printed parts that are tough and durable, have good dimensional stability, and excellent chemical resistance. It presents a matte frosted texture and is suitable for printing mechanical structural components or outdoor gardening models that require impact resistance and corrosion resistance.

Part 1 Physical Properties

Testing Items	Testing Conditions	Testing Methods	Units	Typical Values
Density	23°C	ISO 1183	g/cm3	1.33
Melt Flow Rate	250°C, 5kg	ISO 1133	g/10min	10

Note: The typical physical properties are not intended for use as sales specifications.

Part 2 Mechanical Properties

Testing Items	Testing Conditions	Testing Methods	Units	Typical Values
Tensile Strength	5mm/min	ISO 527-1	MPa	65
Elongation @ Break	5mm/min	ISO 527-1	%	10
Flexural Strength	2mm/min	ISO 178	MPa	90
Flexural Modulus	2mm/min	ISO 178	MPa	2800
Impact Strength, Notched	2.75J	ISO 179-1	kJ/m2	8

Note: The typical physical properties are not intended for use as sales specifications.

Part 3 Recommended Processing Conditions

Parameters	Settings
Drying recommendations	60-70°C in a hot air dryer for 4-8hours
Extrusion Temperature	220-250°C

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Disclaimer:

The values provided in this data sheet are for reference and comparison purposes only. They should not be used for design specifications or quality control. Actual values may vary depending on printing conditions. The ultimate performance of printed parts depends not only on the material but also on the part design, environmental conditions, and printing conditions. The product specifications are subject to change without notice.

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