

# ASA2206NC901-TDS

## ASA for 3D printing

It is an easy-to-use, durable, and cost-effective ASA pellet, professionally adapted to large-scale equipment for 3D printing pellets. It features excellent water, UV, and aging resistance while balancing rigidity, strength, and printability. It improves upon the original issues of warping and cracking in ASA materials, and supports open-air printing for some models. The printed parts are strong and sturdy, with a matte, finely textured sandblasted surface, making them suitable for end-use parts that require certain levels of strength and weather resistance, such as outdoor tools, sculptural components, and architectural decorations.

### Part 1 Physical Properties

Testing Items	Testing Conditions	Testing Methods	Units	Typical Values
Density	23°C	ISO 1183	g/cm <sup>3</sup>	1.11
Melt Flow Rate	220°C,10kg	ISO 1133	g/10min	11

*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	55
Elongation @ Break	5mm/min	ISO 527-1	%	5
Flexural Strength	2mm/min	ISO 178	MPa	80
Flexural Modulus	2mm/min	ISO 178	MPa	3500
Impact Strength, Notched	1J	ISO 179-1	kJ/m <sup>2</sup>	6

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

### Part 3 Recommended Processing Conditions

Parameters	Settings
Drying recommendations	60-80°C in a hot air dryer for 2-4hours
Extrusion Temperature	200-230°C

#### 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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