



# GL ROBOTICS

YOUR GATEWAY TO NEW TECHNOLOGY

## Technical Data Sheet Premium ABS

Specially formulated ABS resin for 3D printing with high flow and high gloss characteristics

<b>Physical Properties</b>	<b>Test Method and Units</b>	<b>Value</b>
Izod Notched Impact (1/4", 23°)	ASTM D256 Kg-cm/cm	22
Tensile Strength at Yield (23°C)	ASTM D638 kg/cm <sup>2</sup>	481
Flexural Strength at Yield (23°C)	ASTM D790 kg/cm <sup>2</sup>	668
Flexural Modulus (23°C)	ASTM D790x104kg/cm <sup>2</sup>	2.31
Rockwell Hardness (1/4", 23°C)	ASTM D785 R-Scale	112
Heat Distortion Temperature (1/4", 18.6 kg/cm <sup>2</sup> )	ASTM D648 °C	87
Heat Distortion Temperature (1/4", 4.6 kg/cm <sup>2</sup> )	ASTM D648 °C	94
Flammability	UL-94-	HB(1.5)

Notes: The values presented are laboratory averages and may vary within a moderate range for 3D printed parts