



PP

Technical Data



◆ Material Overview

PP board has low density, and it is easy to weld and process, and has excellent chemical resistance, heat resistance and impact resistance. It is non-toxic and odorless, and is currently one of the most environmentally friendly engineering plastics, which can reach the level of food contact materials. The use temperature is -20-90°C.

◆ Advantage

- > Light weight
- > Uniform thickness
- > Smooth surface
- > Good heat resistance
- > High mechanical strength
- > Excellent chemical stability and electrical insulation
- > Non-toxic

◆ Ideal Applications

- > Automobile industry
- > Machinery manufacturing
- > Chemical containers
- > Electronic appliances
- > Food packaging
- > Medical equipment

◆ Technical Datasheet

Items	Standard		
Density	ASTM D792	g/cm ³	0.9
Tensile strength at yield	ASTM D638	Mpa	29
Elongation at break	ASTM D638	%	300
Bending strength	ASTM 790	Mpa	35
Flexural modulus	ASTM 790	Mpa	1030
Shore Hardness	ASTM D2240	D	83
Impact strength	ASTM D256	J/M	35
Melting point	DSC	°C	170
Heat distortion temperature	ASTM D648	°C	83
Long-term operating temperature	/	°C	95
Short-term operating temperature	/	°C	120

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