

TECHNICAL DATA

PP

Product Demonstration



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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.

Advantages

- 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

项 目 Items	标准 Standard		
密度 Density	ASTM D792	g/cm3	0.9
屈服拉伸强度 Tensile strength at yield	ASTM D638	Mpa	29
断裂伸长率 Elongation at break	ASTM D638	%	300
弯曲强度 Bending strength	ASTM 790	Mpa	35
弯曲模量 Flexural modulus	ASTM 790	Mpa	1030
邵氏硬度 Shore Hardness	ASTM D2240	D	83
冲击强度 Impact strength	ASTM D256	J/M	35
熔点 melting point	DSC	°C	170
热变形温度 Heat distortion temperature	ASTM D648	°C	83
长期工作温度 long-term operating temperature	—	°C	95
短期工作温度 Short-term operating temperature	—	°C	120

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