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- Sheet Plastics
- Cut to size & shape
- CNC Router cutting
- Fabrication
- Vacuum Forming
- Boat Screens & windows
- Signs & Displays
- Engineering Plastics
- Ecoscreen Plastic Lattice
- C/S Acrovyn
- Bld/Lic RL155051

updated:17/4/07

TWINWALL POLYPROPYLENE
TECHNICAL DATA AND INFORMATION SHEET

Twinwall Polypropylene Sheet is a highly versatile material, suitable for a variety of signage, display, packaging and building applications.

Key features of the material are:
Water resistant
Lightweight
Low cost
Easily fabricated
Suitable for outdoor use
Has excellent chemical resistance
Food safe
Recyclable
Reasonable impact resistance
Applications include:
Packaging
Signs
Displays
Enclosures

Twinwall Polypropylene Sheet is usually cut using conventional paper guillotining equipment. The material can also be die cut or scored into a variety of shapes using standard steel rule die cutting equipment. For smaller job runs or craftwork a sharp utility knife is also suitable.

Twinwall Polypropylene Sheet is ideal for screen printing with most inks formulated for polypropylene. Solvent based and UV inks work exceptionally well, providing superior adhesion. PP Flute can also be printed using both letterpress and flexographic processes. Vinyl graphics can also be applied.

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Typical properties of Twinwall Polypropylene Sheet

Property	ASTM	Unit	Value
General			
Specific Gravity	D-792	g/cm³	0.905
Water Absorption	D-570	% @ 24 hrs	0.02
Light Transmission	D-1003	%	N/A
Dielectric Strength	D-149	Volts/Mil	500-600
Mechanical			
Notched Izod Impact	D-256	J/m	128
Tensile Strength	D-638	Mpa	28
Flexural Strength	D-790	Mpa	-
Hardness Rockwell	D-785	Shore D	6.7
Thermal			
Cont. Working Temp.		°C	-26-112
Vacforming Temp.		°C	N/A
Thermal Expansion	D-696	10^5/°C	10-15

These values are representative of those obtained under standard ASTM conditions and should not be used to design parts which function under different conditions