



Fluted Polypropylene

Corrugated polypropylene sheet

Description and Overview

Fluted polypropylene is a cost-effective corrugated polypropylene sheet with a lighter weight than other non-fluted plastics. Also known by the brand name Coroplast, fluted polypropylene has better durability than corrugated fiberboard and is waterproof, weather resistant, and stain resistant.

Fluted polypropylene has great weatherability and chemical resistance, allowing it to perform in adverse weather conditions and endure harsh chemicals. It is a versatile material that is easy to fabricate - fluted polypropylene can be die cut, glued, scored, stitched, and ultrasonically welded.

Applications and Uses

Fluted polypropylene is a versatile material used across a wide range of industries and applications, including the signage, advertising, construction, automotive, and industrial and agricultural packaging industries. Its weatherability, ease of fabrication, and receptiveness to screen, flexographic, and digital printing as well as vinyl lettering make it ideal for indoor and outdoor graphic applications like signage.

- Indoor and outdoor signage
- Screen printing
- Electronics
- Machinery and industrial packaging
- Light industry
- Advertising
- Decoration
- Magneto-optical technology
- Bioengineering
- Stationery materials
- Crates and product packaging boxes
- Detachable combination boxes
- Animal cages



Fluted polypropylene is available in a wide range of colors, including, white, black, gray, green, brown, red, blue, ivory, and orange.
Full sheet: 48" x 96"
Thicknesses: .158"

Properties and Specifications

Property	Fluted Polypropylene
Specific Gravity	0.9
Tensile Strength, Yield	4000 psi
Izod Impact Strength	3 ft-lb/in.
Thermal Expansion Coeff.	$6.5 \times 10^{-5} \text{C}^{-1}$ @ -30 to 0°C
Coefficient of Friction, Static	0.3
Water Absorption @ 24 hrs.	0.03%
Heat Deflection Temperature	194°F @ 66 psi
Melting Point	150 to 170°C
Auto Ignition Temperature	425°C
Affixable Properties	Chem / Mech

Properties are typical.
Chem is an abbreviation for chemically affixed with glues, chemicals, or adhesive.
Mech is an abbreviation for mechanically affixed bonding.
Field testing is recommended for any application.

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WARNING: This product can expose you to chemicals including Ethylene Oxide, CAS 75-21-8, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov



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