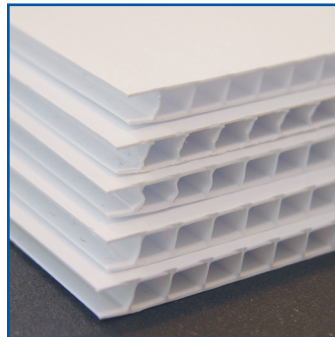


PROTECT CP BOARD



DURABLE, WATERPROOF

Can be taped together to provide for foot traffic and light equipment



PROTECT® CPBOARD can be used in a variety of places where surface protection is essential. Extremely durable, it is well suited for forklifts and scissor lifts. It is also resistant to stains and most chemicals, and is waterproof. It is made of high impact polypropylene copolymer. Chemically the sheet is inert, with no pH factor. At regular temperatures most oils, solvents and water have no effect, allowing it to perform under adverse weather conditions or when exposed to harsh chemicals.

PART NO.

PCPB-1

DESCRIPTION

Plastic Board 4mil x 4' x 8' sheet

www.pro-protect.com

Product Identification

TRADE NAME: CP Board; CHEMICAL NAME/CLASS: Corrugated sheeting in white;

MANUFACTURER'S NAME: PRO TECT Associates, Inc., 2165 Shermer Rd. Ste.C, Northbrook, IL 60062 (847) 446-8664

Typical Mechanical Properties of CP Board

(a) Edge crush resistance (ECR) and flat crush resistance (FCR): CP Board of straight flute and I-beam rib

Item	Test Method	Unit	2mm	3mm	4mm	5mm	6mm	8mm	10mm	13mm	16mm	19mm	25mm
Unit Wt.		g/m ²	490	600	750	1,000	1,400	1,800	2,000	2,500	3,300	4,000	4,800
FCR	TAPPI-825	lb/in ²	190	90	170	170	230	140	140	280	420	280	350
ECR	TAPPI-811, Method A ⁽¹⁾	lb/in	20	40	55	70	100	NB ⁽³⁾	NB ⁽³⁾	NB ⁽³⁾	NB ⁽³⁾	NB ⁽³⁾	NB ⁽³⁾
ECR	TAPPI-811, Method B ⁽²⁾	lb/in	--	--	--	--	25	55	80	115	270	350	500

(1) The test specimen is 2" in width and 2" in height.

(2) The test specimen is 8" in width and 10" in height.

(3) NB: no bending during the test

(b) Mullen Burst (TAPPI-810): no burst up to 1,000 psi for all thickness

Typical Physical Properties

(a) Thermal Expansion Coefficient (ASTM D 696):

from -30 to 0°C 6.5 x 10⁻⁵ oC-1

from 0 to 30°C 10.5 x 10⁻⁵ oC-1

from 30 to 60°C 14.0 x 10⁻⁵ oC-1

(b) Water Absorption at 24 hours immersion (ASTM D 648): 0.03%

(c) Melting Temperature (DSC method): ~ 165oC

(d) R-Value at 75°F Mean (ASTM C-177): 0.078 x l (thickness of IntePro in mm)

(e) Water Vapor Transmission Rate (WVTR) at 23oC (ASTM C 209):

WVTR, g/(100 in² x Day) = 1.3 x 10⁻⁶ x (p₁ - p₂) / l

Where p₁ and p₂ are the partial pressures of water vapor in Pascal at the two exposed surfaces of CP Board and l is the total thickness in millimeter of the two skin layers

(f) Sound Transmission Loss from 400 to 12,800 Hz (SAE J1400):

4mm IntePro, 154 lb/msf 9.6-12.8 dB

10 mm IntePro, 410 lb/msf 13.1-16.3 dB

(g) Coefficient of Friction, Static (COF, ASTM D 1894): ~ 0.30 (CP Board in along the flute direction vs.CP Board in the same direction)

Typical Chemical Properties

(a) FDA Status: The based resin material of IntePro meets the requirements of the Food and DrugAdministration, 21 CFR 177.1520, for a resin that may be processed for use involving contact with food. The status of pigmented or other modified CP Board is available upon request.

(b) Chemical Resistance: CP Board is resistant to acids, alkalis, salt solutions, solvents, alcohol, water, oil, fat and detergent at room temperature. IntePro is not resistant to aromatic or chlorinated hydrocarbons such as benzene at elevated temperatures and strong oxidizing agents. Information of chemical resistance to specific chemical is available upon inquiry.

(c) pH value: PP IntePro is inert and hydrophobic. Therefore, IntePro generally does not affect the pH factor when it is in contact with an aqueous solution.

Recycle/ Safety

1. CP board is produced from a high impact polypropylene copolymer and is fully recyclable. The resin identification code (RIC) of polypropylene according to Society of the Plastics Industry (SPI) is

2. If recycling is not possible, disposal to landfills or incineration in accordance with governmental laws and regulations is considered safe.

Note: Please note that the above information is to the best of our knowledge and is made without guarantee. We can not anticipate all conditions under which this information and our product, or the products of other manufactures in combination with our products may be used. Users are advised to make their own test and evaluation to determine the safety and suitability for their own purposes. We accept no responsibility for results obtained by the application of the information or the safety and suitability of our products.