TECHNICAL DATA SHEET

ZENTRUM > ZENCOR >

PACKAGING LINE

ZENCOR®
CORRUGATED PLASTIC TECH

Corrugated plastic sheet made of polypropylene (PP) through an extrusion process. Polypropylene is a high-performance thermoplastic with low density (0.90–0.92 g/cm³), high mechanical, chemical, and moisture resistance, and a service temperature range of -10 °C to +80 °C. It is non-toxic, washable, reusable, 100% recyclable (code #5), and resistant to fungi, pests, and chemical agents, making it an ideal solution for reusable and heavy-duty industrial packaging. Due to its functional finish, it is oriented toward industrial performance rather than high-quality printing.

PROPERTIES

- High mechanical resistance to impact and abrasion
- Structural rigidity
- Variety of thicknesses and densities
- Wide range of colors and sizes
- Corona treatment for better adhesion of inks and adhesives

APPLICATIONS

- Printed boxes
- Layer dividers
- Racks
- Automotive packaging
- Storage / archive boxes
- Pharmaceutical trays
- Box dividers

PRINTING TECHNIQUES AND FINISHES

- Screen printing
- Flexographic printing
- UV digital printing
- Labeling and marking with vinyl or adhesives
- Die-cutting, scoring and gluing

SPECIFICATIONS

Thickness (mm)	Thickness tolerance (mm)	Density (g/m²)	Density tolerance	Corona treatment (dynes/cm)	Width (mm)	Length (mm)	Squareness (mm)
2	± 0.15	400	± 5%	40 - 42	+ 10	+ 15	≤ 10
3	± 0.15	550	± 5%	40 - 42	+ 10	+ 15	≤ 10
4	± 0.15	700	± 5%	40 - 42	+ 10	+ 15	≤ 10
5	± 0.15	1000	± 5%	40 - 42	+ 10	+ 15	≤ 10
6	± 0.15	1300	± 5%	40 - 42	+ 10	+ 15	≤ 10
8	± 0.15	1800	± 5%	40 - 42	+ 10	+ 15	≤ 10
10	± 0.15	2000	± 5%	40 - 42	+ 10	+ 15	≤ 10

SHEET DEFORMATION TOLERANCES

Dimensions (m)	≤ 1.22	1.22 A ≤ 2.00	2.00 A 2.80
Thickness (mm)	Sheet deformation tolerances by sheet length (mm)		
2	20	28	48
3	16	24	44
4	12	20	40
5	12	20	40
6	12	20	40
8	12	20	40
10	12	20	40

Note: Up to 1 cm is added to the dimension specified in the purchase order to compensate for shrinkage; length tolerances are independent of this. The use of recycled material may cause slight variations in tone and flatness inherent to the process.

ZENTRUM®
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