

SEALED-EDGE SEPARATOR

Plastic corrugated separator with a rounded, sealed edge.

Trade name: ZenPad

Other names: Interleaf, Layer Pad, Slip Sheet

Key feature: Rounded, sealed edge running along the border and across the corrugation, which eliminates sharp edges and burrs and gives the separator structural integrity.

BASE RESIN — POLYPROPYLENE (PP)

ZenPad is manufactured from polypropylene, a partially crystalline thermoplastic polyolefin selected for its mechanical performance:

- High stiffness and structural strength, which maintains the stability of the stacked load.
- Good resistance to abrasion and flex fatigue (repeated use without cracking).
- Impact resistance that protects the separated product.
- Low density: high strength with low weight, easy handling on the line.
- Good thermal stability (does not melt below ~160 °C), retaining its mechanical properties under normal operating conditions.
- Resistant to water, oils, greases and chemicals without losing stiffness.

CHEMICAL AND PHYSICAL PROPERTIES

- Main component: Polypropylene (PP)
- Waterproof
- Resistant to oil, water and greases
- Insulating
- Non-toxic

TECHNICAL SPECIFICATIONS (REFERENCE CONFIGURATION)

PROPERTY	VALUE	TOLERANCE
Thickness	3.5 mm (standard)	±0.15mm
Dimension (across flute)	90 – 1300 mm *	+10 mm
Dimension (flute direction)	110 – 1550 mm *	+10 mm
Basis weight	1,100 – 1,500 g/m ² *	±5%
Color	Standard: black, gray and blue. Others on request *	N/A
Squareness	<10 mm	N/A
Bow/warp	<10 mm	N/A
Corona treatment	42 dynes	N/A
FCT (Flat Crush Test)	>150 psi	N/A
Rounded corner (radius)	10 – 45 mm *	N/A
Packaging	Up to 300 pcs per pallet (3.5 mm thickness) *	N/A

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.