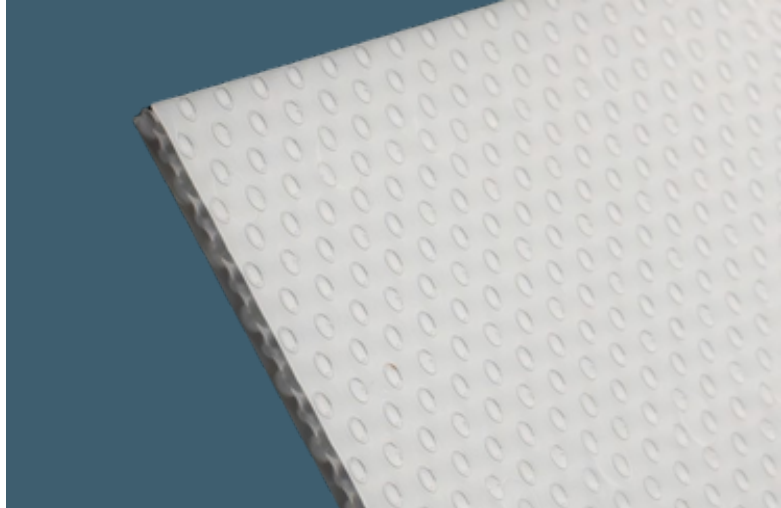


SPL-SPHERALITE

Information data sheet - rev. 1 TECHNICAL SPECIFICATION



Product description: Polypropylene 3-layer sheet.

Possible applications: this material can be converted to produce reusable packaging or other generic products:

PRODUCT	THICKNESS (mm)	TOLERANCE (mm)	DENSITY (g/m ²)	TOLERANCE (g/m ²)
4.1/750	4,1	+/- 0.15 mm	750	+/- 5 %
4.3/1000	4,3	+/- 0.15 mm	1000	+/- 5 %
4.8/1400	4,8	+/- 0.15 mm	1400	+/- 5 %

Standard colors: natural, other colors available upon request.

General features	Properties	Acceptance criteria
Length	Min: 600 mm Max: 3000 mm	L < 1 m: +/- 3 mm L > 1 m: +/- 0.25% x L
Width	Max: 2000 mm	+/- 3 mm
Diagonals difference	-	< 10 mm
Quantity/pallet	250 units	

Possible treatments – upon Customer's request when asking for quotation:

- UV additive (based on LDPE)
- Antistatic additive (based on PP)
- Colored masterbatch (based on LDPE)

Options: Corona treated on both sides (superficial tension: ≥ 42 dyn/cm)

Chemical features

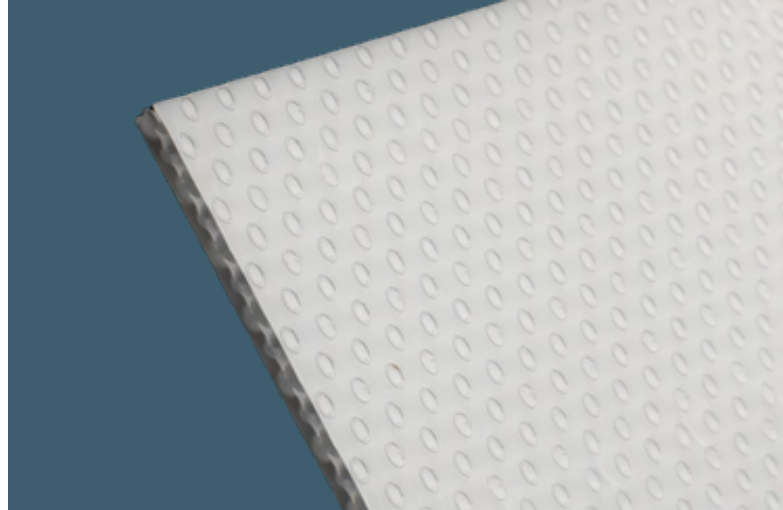
Main component: Copolymer Polypropylene (PP) (C₃H₆)_n(C₂H₄)_m

Polypropylene guarantees waterproof properties and resistance against the majority of alkaline products, salt solutions, solvents and heavy mineral acids at temperatures lower than 60°C. They can be on the other side etched by heavy oxidative agents, nitric acid, hydrogen peroxide and chlorosulphonic acid. Waving can be caused by a prolonged aliphatic, aromatic and chlorinated hydrocarbons etching.



SPL-SPHERALITE

Information data sheet - rev. 1 TECHNICAL SPECIFICATION



Spheralite 4.1/750

Mechanical properties	Method	u.m.	Value
Apparent density	INTERNAL	Kg/m3	185
Compression strength	ISO 844	KPa	>800
Flexion 3pt_Stiffness MD	ISO I78	N/mm	7.5
Flexion 3pt_Stiffness TD	ISO I78	N/mm	8.0
Flexion 3pt_Module MD	ISO I78	MPa	490
Flexion 3pt_Module TD	ISO I78	MPa	530
Flexion 3pt_Load MD	ISO I78	MPa	5.8
Flexion 3pt_Load TD	ISO I78	MPa	6.2
Impact strength(Dart drop_E50)	ISO 7765	J	0.95

Spheralite 4.3/1000

Mechanical properties	Method	u.m.	Value
Apparent density	INTERNAL	Kg/m3	235
Compression strength	ISO 844	KPa	>1000
Flexion 3pt_Stiffness MD	ISO I78	N/mm	12.0
Flexion 3pt_Stiffness TD	ISO I78	N/mm	13.0
Flexion 3pt_Module MD	ISO I78	MPa	700
Flexion 3pt_Module TD	ISO I78	MPa	740
Flexion 3pt_Load MD	ISO I78	MPa	11.0
Flexion 3pt_Load TD	ISO I78	MPa	12.0
Impact strength(Dart drop_E50)	ISO 7765	J	1.35

Spheralite 4.8/1400

Mechanical properties	Method	u.m.	Value
Apparent density	INTERNAL	Kg/m3	295
Compression strength	ISO 844	KPa	>1300
Flexion 3pt_Stiffness MD	ISO I78	N/mm	20.0
Flexion 3pt_Stiffness TD	ISO I78	N/mm	21.5
Flexion 3pt_Module MD	ISO I78	MPa	860
Flexion 3pt_Module TD	ISO I78	MPa	910
Flexion 3pt_Load MD	ISO I78	MPa	14.5
Flexion 3pt_Load TD	ISO I78	MPa	15.5
Impact strength(Dart drop_E50)	ISO 7765	J	1.70

