

TECHNICAL DATA SHEET

MATERIA DESCRIPTION

Polypropylene hollow profile sheets, double wall structure.
 Basic component: polypropylene.

TECHNICAL INFORMATION

CHARACTERISTIC	TEST METHOD	MEASUREMENT UNIT	VALUES	DEVIATIONS
Density	Intern	gr/m ²	Table 1	+/- 10%
Extrusion width	N.A	mm	2100	+/- 3%
Length	N.A	mm	Optional > 500	+/- 3%
Thickness	Intern	mm	Table 1	+/- 5%
Colours	-	-	White, Black, Grey, RAL on request	-
Flute deviation from rectilinearity	Intern	mm	5 mm per 1 m	-
Planarity	Intern	-	1 wave per sheet	
Opacity	Intern	-	+/- 5 % in comparison with sample of reference	
Tensile strength	ISO 527	MPa	30	-
Water absorption	ISO 62	%	0.02	-
Melting point	ISO 3146	°C	160	-
Self-ignition temperature	ISO 3146	°C	> 360	-

Density (gr/m ²)	Thickness (mm)				
	2	3	3.5	4	5
250	2				
300	2				
350	2				
400	2	3			
450		3			
500		3	3.5		
550		3	3.5		
600		3	3.5		
650			3.5		
700				4	
750				4	
800				4	
850					4.5
900					4.5
950					4.5
1000					5
1100					5
1200					5
1300					5
1400					5
1500					5

Table 1.

ON CUSTOMER REQUEST

	VALUES	COMMENTS	
Corona treatment	≥ 46 dyne per cm	On both sides of the sheet	Guarantee 3-6 months
Conductive proprieties	$< 1 \cdot 10^4$ Ohm	Black colour	Permanent treatment
Dissipative proprieties	$\geq 1 \cdot 10^4$ Ohm to $< 1 \cdot 10^{11}$ Ohm	Black colour	
Flame retardant	-	Based on applicatio-different flame retardant standards	
UV resistance	-	Depending on UV time exposure, different grades	

The smell of the sheet, generated by corona treatment, is not harmful for human body and will disappear in time, based on the air ventilation of the store area.

CONVERTING POSSIBILITIES

Cutting on guillotine, die cutting press, plotter;
 Hot and cold bending;
 Forming;
 Printing;
 Hot air welding;
 Ultrasonic welding;
 Sewing;
 Edge sealing;

Before all converting process, please make sure that the sheets are reaching the temperature of > 18 °C on the entire surface.

RECYCLING

Polypropylene is not biodegradable; it persists in the environment. Technical waste that results after corrugated polypropylene sheets conversion, can be 100% recycled by sorting, regrinding, welding and extrusion of new polypropylene granules.

PACKAGING

Cellular Polypropylene sheets are set on wood pallets, packed in stretch foil on demand, with sides corners protectors. Labels are placed in visible parts of the pallets and contain information's as material type, dimensions, client and number of pieces per pallet.

STORAGE

Cellular Polypropylene sheets must be stored in dry warehouses, protected from moisture and other improper conditions. BGMpack guarantee the technical parameters only in previous conditions of storage.

*The technical data concerning our products are not binding and are given for guidance only