

	PRODUCT SHEET		No. PP / 01/05 PO / GP
	Polyolefin boards HDPE boards (high density polyethylene boards)		Issue / Edition: 3.00
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1. Application

Tanks for water and chemicals, silos for loose materials, composters, linings for swimming pools, chutes, ventilation lines, housings for machines and devices.

2. Requirements

Arrangements with the client.

3. Approvals, certificates, decisions, etc.

None

4. Technical parameters

4.1 Technical parameters of the embossed board

No	Name of the indicator	Unit of measure	Index value	Test method
1	Types	-	Smooth boards Knurled boards	Visually
2	Tolerance, thickness range: a) for the range 1,0 ÷ 7,0 mm b) for the range 7,1 ÷ 10,0 mm c) for the range 10,1 ÷ 13,0 mm d) for the range 13,1 ÷ 16,0 mm e) for the range 16,1 ÷ 19,0 mm f) for the range 19,1 ÷ 20,0 mm g) for the range 20,1 ÷ 25,0 mm h) for the range 25,1 ÷ 30,0 mm	mm	a) ± 0,1 b) ± 0,2 c) ± 0,3 d) ± 0,4 e) ± 0,5 f) ± 0,6 g) ± 0,7 h) ± 0,8	Micrometer screw
3	Tolerance, width range: 400 ÷ 2020 mm	%	1	Metric tape
4	Tolerance, length range 200 ÷ 7000* mm	%	1	Metric tape
5	Softening point according to Vicat, at least (load 10 N / 50°C / h)	°C	110	PN-EN ISO 306

*standard, maximum length is 4m for boards with a thickness above 14.0 mm. Values above this length to be individually agreed with the sales department.

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4.2 Other technical parameters of the boards

No	Name of the indicator	Unit of measure	Index value**	Test method
1	Density	g/cm ³	0,96	ISO 1183-1
Mechanical properties				
2	Yield strength	MPa	25	ISO 527
3	Yield elongation	%	8	ISO 527
4	Shore D hardness	⁰ ShD	66	ISO 868

** the above values are typical values but cannot be treated as product specifications. The mechanical properties of the board were determined from extruded boards with a thickness of 4 mm.

5. Packing

The boards are placed on pallets, wrapped with PE or PP foil and then pulled with steel or plastic tape.

A different method of packing is allowed in agreement with the recipient.

6. Storage and transport

The boards are stored in dry, closed rooms at a distance of not less than 1 m from active heating devices.

The panels are transported in covered means of transport, in accordance with transport regulations.

The boards must be stacked so that they are secured against shifting and damage during transport.

During storage, pay attention to the flatness of the storage space as uneven surfaces may lead to permanent deformation (bending) of the stored boards.

7. Additional information

The panels are manufactured in black RAL 9004 (color similar in visual assessment to the RAL scale (TYP K7). In case of specific requirements, the choice of color should be agreed individually.

The physical and mechanical properties and the appearance of boards made of entrusted raw materials depend on the quality of the entrusted raw material. In the case of entrusted raw materials, the boards may have hidden defects, visible after thermoforming (e.g. stripes on the product after extrusion and others).

Compared to the base material, the boards produced from regrunulate or regrind show worse physical and mechanical properties and a worse surface quality. There is a possibility of color differences; possible inclusions, discoloration, stains and scratches on both sides of the board. There may also be waviness of the plates resulting from the heterogeneity of the input materials. There is also a possibility of defects on products during thermoforming of panels from regrunulates and regrinds.

The above information is given in good faith.

The processor, when using our products, should test and test them himself.

This is especially important for specific applications and for boards manufactured from regrunulates and regrinds.

The same applies to technical advice and information provided verbally and in writing.

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Changes to the card are made on an ongoing basis without notifying the customer each time.

On request, we provide current detailed information..

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Created by:	Ledwoń Rafał		
Checked by:	Gowarzewski Janusz		
Approved by: Production and Development Director	Siempińska Joanna		

0. List of current page edit numbers

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1.0. Register of introduced changes and additions

Change No	Numbers of replaced/ added pages	The nature of the change