



# PRODUCT CATALOG

*Gujarat-UP Engineering Polymers*

Brochure for  
**PP Honeycomb sheets**

*Professional Composite Manufacturer & Solution Designer*

*Universal polymers*

**Contact:** [info@universalpolymers.in](mailto:info@universalpolymers.in)    <https://www.universalpolymers.in>

# Universal Polymers

DHARI-365640, Dist.: Amreli (Gujarat, India)

Telefax: +91 2797 221282, Cell: +91 99099 18975

Email: [info@universalpolymers.in](mailto:info@universalpolymers.in), websites [universalpolymers.in](http://universalpolymers.in) [Gujarat-UP.com](http://Gujarat-UP.com)

## 01. PP BUBBLE GUARD

Strong but Lightweight

UP PP Bubble GUARD is a multi-layer alveolar board made from 100% polypropylene with a unique circular honeycomb structure core at the center and two flat surfaces on either side with great versatility and high performances. It is 100% eco-friendly & recyclable.



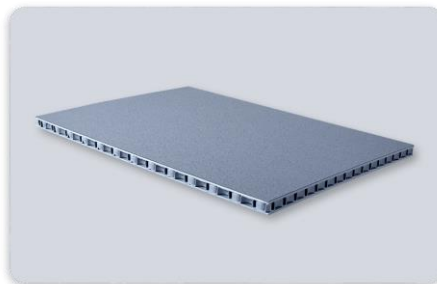
### Available Grade Type

- **FR.** With FR masterbatch can supply in bulk quantity
- **UV- stabilized.** With UV resistance compound can add value this product for direct sunlight
- **Corona treated.** With high frequency dynes give the products surface extra ordinary printability.

### Available Surface Type



Smooth Surface



Matt Surface



Textured Surface

01

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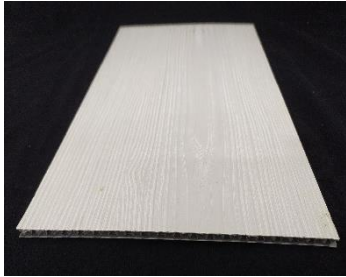
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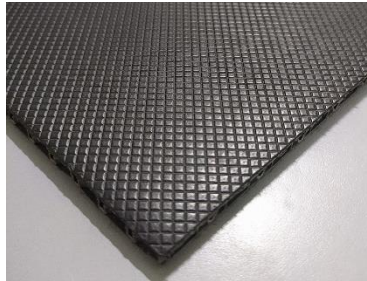
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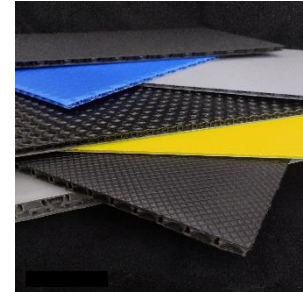
## Available Resin Type



Embossed Top Cover



Square matt Surface



Embossed bubble

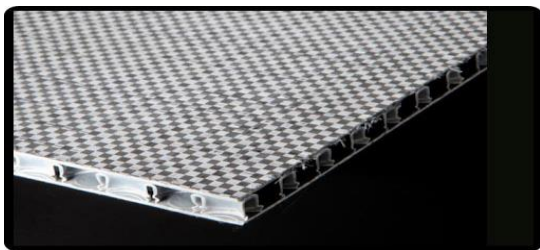
## Available Bubble Type



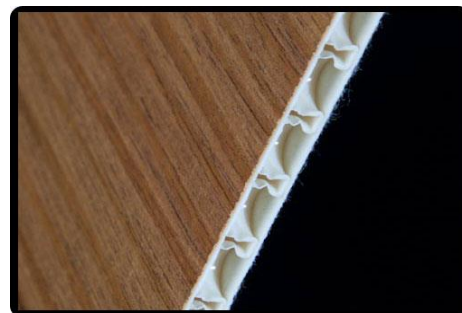
Circular Bubble



Hexagonal bubble



Lamination- non woven fabric



Lamination film-PVC/PP

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## Features

- Strong and durable structure.
- Slip resistance.
- Lightweight.
- Low maintenance.
- Corrosion resistance
- Excellent insulating property.
- Fire retardant.

## Applications

- FLC.
- Reusable boxes.
- Trays.
- Ceiling.
- Flooring
- Automobile int.
- Separator.
- Layer pads.
- Printing.



FLC



Reusable boxes



Trays



Ceiling



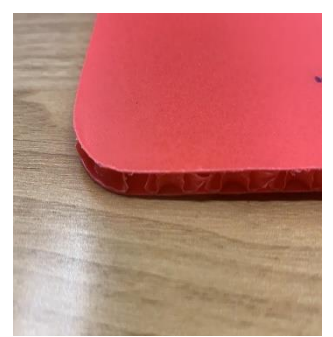
Floor protection



Automobile interior



Separator



Layer pads

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## Common Specifications

S.R	GSM	STD. THICKNESS OF SHEET in mm			STD. THICKNESS OF SHEET (DOUBLE BUBBLE)	
		D4 (±0.1mm)	D8 (±0.2mm)	D12 (±0.2mm)	D4+D8 (DB) (±0.2mm)	D8+D12 (DB) (±0.2mm)
1	200	1.4	1.70			
2	250	1.7	2.1			
3	300	1.9	2.4			
4	350	2.1	2.5			
5	400	2.2	2.7			
6	500	2.4	3.3			
7	600	2.5	3.5			
8	700	2.6	3.8			
9	800	2.8	4			
10	900	3	4.2			
11	1000	3.2	4.4	6.4		
12	1200	3.5	4.7	6.8		
13	1500	3.8	5	7.5	7.2	
14	1700		5.2	8	7.5	
15	2000		5.4	8.5	7.8	8.5
16	2200		5.6	8.7	8	9
17	2500		5.8	9	8.3	10
18	2700			9.2	8.5	10.4
19	3000			9.5	8.8	11
20	3250			9.7	9	12
21	3500			10	9.2	13
22	3700					13.3
23	4000					13.7
24	4200					14
25	4500					14.3
26	5000					15
27	5500					
28	6000					
29						
30						



## UNIVERSAL POLYMERS



**Office:**

**Dhari-365640**

**District : Amreli ( Gujarat)**

**India**

[www.universalpolymers.in](http://www.universalpolymers.in)

**Factory:**

**AHMEDABAD**

**380052**

**GUJARAT, INDIA**