



HDPE SHEET PRODUCT BROCHURE

ABOUT PRIME TERRATECH

Prime Terratech is a trusted Indian manufacturer of high-performance polymer sheets designed for industrial, engineering, chemical, food-grade, and structural applications. With precision manufacturing, advanced material technology, and strict quality control, our sheets deliver unmatched durability, strength, and reliability across demanding environments.

Our products are engineered using **100% virgin raw materials**, comply with relevant ASTM/ISO/BIS standards, and are widely used in fabrication, lining, protection, and structural applications across industries.

HDPE Sheets





HDPE SHEETS

“High-Density Polyethylene Sheets – Strong, Versatile & Long-Lasting”

Prime Terratech HDPE Sheets are premium-grade polyethylene panels known for their exceptional mechanical strength, chemical resistance, and long-term performance. Ideal for both indoor and outdoor use, they are designed to withstand impact, moisture, and extreme weather conditions.

Features :

- **High Strength & Flexibility** – Excellent tensile and impact properties
- **Chemical & UV Resistance** – Suitable for corrosive and outdoor environments
- **Waterproof & Non-Leaching** – Provides an impermeable, hygienic surface
- **Easy Fabrication** – Can be welded, cut, drilled, and thermoformed
- **Food-Grade Options Available** – Suitable for potable water & food contact

Advantages :

- Long service life with no cracking or corrosion.
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- Cost-effective with minimal maintenance.
- Non-toxic, eco-friendly and safe for sensitive industries.

Applications :

- Water & chemical tanks.
- Industrial lining & fabrication.
- Formwork & construction boards.
- Marine and dock fenders.
- Cutting boards, pallets, trays.
- Outdoor cladding & roofing support.
- Agricultural & industrial components.

HDPE Sheet Properties

PROPERTY	TEST METHOD	UNITS	VALUE
Density (at 23°C)	ASTM D 1505	g/cm	0.950
Physical Property			
Tensile Strength at Yield		MPa	21
Tensile Strength at Break	ASTM D 638	MPa	35
Elongation at Break		%	>1000
Izod Impact Strength (Notched)	ASTM D 256	J/m	>500
Flexural Modulus	ASTM D 790	MPa	850
Hardness	ASTM D 2240	Shore D	65
DSC Melting Temperature	ASTM D 2117	°C	131

Available Colors

Colors: Natural White, Grey, Blue, Black, Yellow

Sr	Thickness	Width	Length	Weight Per Sheet
1	1 MM	1.22 Meter	2.44 Meter	2.9 KG.
2	2 MM	1.22 Meter	2.44 Meter	5.7 KG.
3	3 MM	1.22 Meter	2.44 Meter	8.6 KG.
4	4 MM	1.22 Meter	2.44 Meter	11.4 KG.
5	5 MM	1.22 Meter	2.44 Meter	14.3 KG.
6	6 MM	1.22 Meter	2.44 Meter	17.1 KG.
7	8 MM	1.22 Meter	2.44 Meter	22.9 KG.
8	10 MM	1.22 Meter	2.44 Meter	28.6 KG.
9	12 MM	1.22 Meter	2.44 Meter	34.3 KG.
10	15 MM	1.22 Meter	2.44 Meter	42.9 KG.
11	18 MM	1.22 Meter	2.44 Meter	51.4 KG.
12	20 MM	1.22 Meter	2.44 Meter	57.2 KG.
13	25 MM	1.22 Meter	2.44 Meter	71.4 KG.
14	30 MM	1.22 Meter	2.44 Meter	85.7 KG.
15	35 MM	1.2 Meter	2 Meter	84 KG.
16	40 MM	1.2 Meter	2 Meter	96 KG.
17	50 MM	1.2 Meter	2 Meter	120 KG.
18	65 MM	1.2 Meter	2 Meter	156 KG.
19	75 MM	1.2 Meter	2 Meter	180 KG.
20	100 MM	1.2 Meter	2 Meter	240 KG.



About Prime Terratech

Prime Terratech is an ISO 9001:2015 certified manufacturer of high-quality geosynthetic and geomembrane solutions for environmental, civil, and industrial engineering projects. With state-of-the-art production facilities in Ahmedabad, India, we combine innovation, quality control, and sustainability to deliver long-lasting geotechnical solutions trusted nationwide.



This is to certify that

PRIME TERRATECH INDUSTRIES PRIVATE LIMITED
 B/311, PALLADIUM, 88, ORCHID WOOD CORPORATE BLD, VRAJ PATEL,
 AHMEDABAD - 380011, GUJARAT, INDIA

has been assessed by IAF, and found to comply with the requirements of

ISO 9001 : 2015
 Quality Management Systems

For the following activities:

MANUFACTURING AND EXPORTING OF BUILDING MATERIALS, PLASTIC FLEXIBLE PACKAGING, JUMBO BAGS, PP BAGS, CONTAINER LINERS, FOOD GRADE LINER BAGS, PLASTIC GEOTECHNICAL PRODUCTS, SPORE KILLER FILMS, WATER TIGHT FILMS, GEOTEXTILES, WOODEN PLY, SP, FLOORING AND HOME DECOR, RECYCLED RUBBER, HOPE POND LINERS, ROOF DRAINAGE AND HDPE T - HDPE SHEETS

Certificate Number: 12025905/19
 Date of certification: 07/06/2019
 3rd Surveillance on or before: 06/06/2020
 3rd Renewal (Annex on or before: 06/06/2027
 Certificate Valid Until: 06/06/2028



Director (Certification)
Royal Assesment Pvt. Ltd.
 B/311, Palladium, 88, Orchid Wood Corporate Bld, Vraj Patel, Ahmedabad - 380011, Gujarat, India
 Phone: +91 79 1247 2472
 The Certificate can be verified at www.iaf.com



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ISO 14001 : 2015
 Environmental Management Systems

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ISO 45001 : 2018
 Occupational Health and Safety Management Systems

For the following activities:

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