

*We are here to serve you better*



**AIWAPLASTIC PRODUCTS INDUSTRY L.L.C.**



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AIWAPLASTIC PRODUCTS INDUSTRY L.L.C was established in 1994 with the objective of providing practical solution to the flexible plastic product requirements of U.A.E, G.C.C, Middle East, Africa and European countries. The company is based in Ajman (U.A.E) and is licensed to produce and trade in plastic products. The factory is set up with state of the art modern extrusion and bag making machineries supported by highly qualified and professionalised work force. All the products are of highest quality and conforms to ASTM, DIN, BS and other International Standards. We provide the customers with quality products at most competitive prices. As our Motto goes "We are here to serve you better", we are always in the process of improving our performance standards and operations parameters to effectively achieve the ultimate satisfaction of our clients. Quality and Reliability are the key words that make AIWAPLAST products dearer and competitive in the market.

## AIWAPLAST PRODUCTS

- PE Construction Films
- PE Shrink Films
- Heavy Duty PE Sleeve Rolls
- Warning Tapes
- Slitted Rolls Plain / Printed
- PE General Purpose Films
- Multi-layer Special Grade Films for lamination
- Plain/Printed Rolls & Bags for furniture industry
- Film for F.F.S applications
- Oxo Bio-Degradable Bags
- PE Plain/Printed Bags for dairy, poultry & bakery
- U.V Stabilised films/bags
- Heavy Duty Bags for chemicals, fertilizer, tile glue
- Garbage Bags
- Shopping Bags
- Plain or Printed Bags for Pillows
- Tissue Packing Rolls, Bags & Sleeves
- Laundry Bags
- Film/Bags for frozen food packaging



Our products are produced out of prime grade material in any desired colour ranging from 20 to 500 microns with a width range of 12 cm to 5 metre (2.5mx2) and can be printed up to 6 colours.

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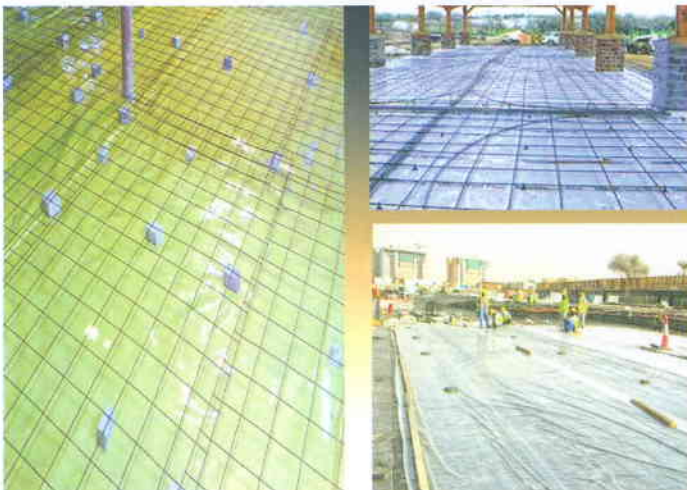
## HEAVY DUTY POLYETHYLENE SHEETS FOR CONSTRUCTION INDUSTRY:

AIWAPLAST manufactures heavy duty polyethylene sheet of width up to 5 metres and thickness ranging from 200 gauge (50 microns) to 2000 gauge (500 microns) with special emphasis on the climatic and soil conditions of the Middle East. These sheets can be used for,

- Foundation protection
- Road water proofing
- Block protection against sulphate and ground water chemical attack
- Lining for reservoirs and other water retaining structures
- Protection of pile against ground water chemical attack
- Lining for swimming pools etc....



## PHYSICAL AND TECHNICAL CHARACTERISTICS OF HEAVY DUTY PE SHEETS



- Shock proof & pierce resistant
- Very low permeability to water
- Offers high degree of resistance to corrosive effects of sulphates and chlorides of groundwater and sub soil
- Good impact, mechanical creep strength and environmental crack resistance
- Variation in thickness of film is within +/- 8% - 12%.

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## GENERAL PROPERTIES OF LOW DENSITY POLYETHYLENE:

| Polymer properties | Value         | Unit              | Test Method  |
|--------------------|---------------|-------------------|--------------|
| *Melt flow index   | 0.240 – 2.000 | g/10min           | ASTM D 1238E |
| Density @ 23°C     | 0.919 – 0.925 | g/cm <sup>3</sup> | ASTM D 1505  |

| Film properties             | Value   | Unit     | Test Method |
|-----------------------------|---------|----------|-------------|
| <b>Tensile properties :</b> |         |          |             |
| Tensile strength (M.D)      | ≥ 12    | MPa      | ASTM D 638  |
| Tensile Strength (T.D)      | ≥ 12    | MPa      | ASTM D 638  |
| Elongation at break (M.D)   | 400-500 | %        | ASTM D 638  |
| Elongation at break (T.D)   | 600-700 | %        | ASTM D 638  |
| <b>Optical properties :</b> |         |          |             |
| Haze                        | ≤ 30    | %        | ASTM D 1003 |
| Gloss                       | ≥ 40    | GU (60°) | ASTM D 2457 |
| Coefficient of friction     | ≤ 0.6   |          | ASTM D 1894 |

## STANDARD SIZES OF PE CONSTRUCTION ROLLS: (Available ex-stock)

| Size              | Thickness               | Size              | Thickness               |
|-------------------|-------------------------|-------------------|-------------------------|
| 4 mtr x 25 mtr    | 1000 gauge/ 250 microns | 2 mtr x 50 mtr    | 2000 gauge /500 microns |
| 3.66 mtr x 10 mtr | 1000 gauge/ 250 microns | 2 mtr x 50 mtr    | 1200 gauge /300 microns |
| 4 mtr x 50 mtr    | 500 gauge/ 125 microns  | 4 mtr x 25 mtr    | 800 gauge /200 microns  |
| 3.66 mtr x 10 mtr | 500 gauge/ 125 microns  | 3.66 mtr x 10 mtr | 300 gauge /75 microns   |
| 3.66 mtr x 15 mtr | 400 gauge/ 100 microns  | 3.66 mtr x 25 mtr | 200 gauge /50 microns   |

The sheets can be produced transparent, black, U.V stabilised or any other specified colour.

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## CAUTION/WARNING TAPE:

AIWAPLAST manufacture and supply PE printed warning tapes made of prime grade PE material which is surface printed using acid & alkali resistant colour pigments. Tapes are used for identifying and marking underground utilities.

The tapes can be manufactured as per customer specifications with any text, language, colour and size.



Standard sizes : 150 mm, 200 mm, 250 mm wide and 100, 150, 200 micron thick.

## PE FILMS & BAGS FOR CONSUMER AND INDUSTRIAL SECTORS:



AIWAPLAST manufactures wide range of films and bags for consumer and industrial applications. High quality plain or printed bags for dairy, poultry, bakery and for other industrial applications. Shopping bags and other special bags and films are also manufactured for furniture, electronics, fisheries, laundry, food processing, soft furnishing units and F.F.S applications etc. Aiwaplast produces heavy duty PE bags for the packaging of construction materials. We also produce high quality garbage bags out of prime grade LDPE / HDPE resins.

Standard garbage bag sizes are 80cm x 110cm, 65cm x 95cm, 60cm x 90cm.

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## PE SHRINK FILM-FOR SOFT DRINK, DAIRY & BEVERAGE INDUSTRIES:

AIWAPLAST produces high quality shrink film processed out of virgin prime grade polyethylene. Shrink wrapping helps to keep products intact, reduces packing costs and also helps easy handling. Shrink film is used for shrink wrapping mineral water bottles, soft drink cans & bottles, dairy & juice products and promotional items. The film can be made U.V stabilised or coloured depending on customer demand.



## QUALITY MANAGEMENT:



AIWAPLAST maintains an effective quality management system which enable us to provide all the products with excellent quality for the customers. Our products and quality management system conforms to ISO 9001-2015 and Emirates Authority For Standardization & Metrology.

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