

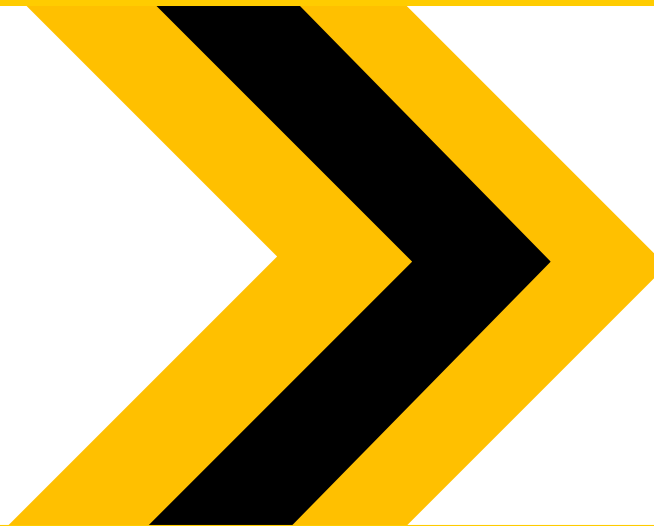


Refined Polymers
Sdn.Bhd. (207933-K)

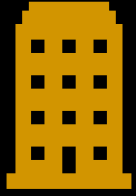
COMPANY PROFILE



CONTENT



- 1. Company History**
- 2. Company Background**
- 3. Brand Story**
- 4. Mission and Vision**
- 5. Products**
- 6. Why Us**
- 7. Technology and Innovation**
- 8. Countries Exported To**
- 9. Contact**



COMPANY'S HISTORY

1982

THE ORIGINAL



1990

Refined Polymers Sdn Bhd
(RPSB) Established in Malaysia.
Refine Raw Material, Pulverise,
Rotational Mould, Distribute Locally
and Export Overseas



COMPANY BACKGROUND



Pioneer in PE (PolyEthylene) plastic rotational moulding industry in Malaysia since 1982.



Best known for producing the iconic POLYTANK and also created other reliable industrial PE products, such as POLAR, FLEX-WALL and ETER.



As part of our branding strategy and protection, we patented all our brands, both locally and abroad: the United Kingdom, Indonesia, China and etc.



BRAND STORY

The first producer and distributor of PolyEthylene (PE) Plastic Water Tank in Malaysia since 1982.

Founded by Mr. Hee Chee Kheng, my late-father with his philosophy of producing the Highest Quality and Longest Lasting products, always. With numerous experience by establishing Ampang Industry (The Philippines), Diadem, Rototec, as well as Paling Industry Berhad.

In the early 1980s, PE raw material does not exist in Malaysia therefore leaving us no choice but to source outside from The Dupont of Canada, Dow Chemicals of USA, Mitsubishi of Japan and a few other MNEs. Not only that these MNEs introduced their raw material to us, they have also taught us how to produce the world's best and longest lasting end-product – Technology Transferred!

Also, we employed the best machines from the USA and Europe that were available during then: The Ferry Industries Inc. USA, APV of UK, PolyVinyl of Italy, ORME Polymer of UK, OMS of Italy, WEDCO of USA, Saip of Italy – Technology Transferred!

With these Transfers, we created a trusted house-hold brand name, the POLYTANK, which gradually eliminated the usage of Steel and Fibreglass tanks in Malaysia.

We are fully committed to produce only the best!

THE ORIGINAL



**This Registered
Trademark
represents Quality
& Durability**



**Thank You,
Vincent Hee (Director)**



MISSION

- Manufacturing long-term usage PE plastic products with the highest incomparable standards possible.
- Practice 'No-to-Wastage' policy.
- Practice 'Eco-Friendly' – 100% recyclable.
- Fully commit ourselves to continuously improve in order to stay ahead.









VISION

- To lead globally in the PolyEthylene (PE) plastic rotational moulding industry and provide products that help and benefit people around the world.





PRODUCTS

-  **POLYTANK® - Water Storage Tanks**
-  **FLEXBIN™ - Litter Bins**
-  **POLAR™ - Thermal Insulated Boxes and Dry-Ice Container**
-  **FLEX-WALL™ - Road Barriers, Hoarding Boards and Traffic Cones**
-  **ETER® - Multi-Purpose Floating Structure, Floating Pontoons and Buoys**
-  **ETER® - Planter Pots**

All products are:

- **Anti-Microbial & Anti-Algae due to Zero Sunlight penetration**
- **Complies to FDA Food Grade, H.A.C.C.P. & British Standards BS:3412 & BS:4213**
- **Made of In-House Melt-Compounded 1st Grade Virgin raw material. No Recycled material used!**
- **Longest-Lasting: Highest Tensile & Elongation Strength**
- **‘Limited Product Warranty’ against Discolouring, Brittleness, Chip, Crack, Break & Deformation caused by Sunlight UV penetration (Years given based on the colour, ie Black 15 Years)**



- Various Models, Shapes and Sizes for Residential to Commercial
- Trusted Household Brand name for 4 decades
- Only POLYTANK® provides 15 years Limited Product Warranty
- Longest Lasting: Highest Tensile & Elongation Strengths



- Endurance: Resist tearing/damage from even the heaviest loads
- Exceptional stability (preventing from being swept/blown away) and robustness (strong reinforcement structures at key points)
- UV, Cold, Heat and Chemical Resistant

FLEXBIN™



- Strongest, Highest Visibility & Longest Lasting
- Can be filled with water, sand or even cement ballast
- Logo embossment for quantity orders

FLEX-WALL™



- 12 available colours and varieties of Design to choose from
- Custom-made possible for quantity orders
- Realistic Effect and Finishing

ETER® Pot



- By using Floating Pontoon alone: Floating Jetties, Floating Chalets, Floating Platforms were constructed at Sea and Freshwater Bodies
- Together with the Walkway: Floating Bridges, Fish-Farming Cages were built/constructed at Freshwater Bodies
- Industrial Design Rights Protection



- 1st Grade PolyUrethane (PU) foam inside made with OMS Italian Technology
- Opened & Closed Cell Structures employed for Best Insulation
- Withstand heat up to 135°C and cold down to -78°C



Limited Product Warranty

From 3 to 15 years against discolouring, brittleness, chip, crack, break and deformation caused by sunlight UV penetration. RPSB provides the longest warranty in the market.



Machines

Ferry Industries (USA), APV (UK), OMS (Italy), WEDCO (USA), POLYVINYL (ITALY)



Technology Transferred

Dow Chemicals, Dupont of Canada and Mitsubishi

British Standards:

BS:3412 & BS:4213

Food Grade:

FDA & HACCP



100% Recyclable



Energy Efficiency



100% Virgin 1st Grade Local Material
by PE Malaysia (PETRONAS)

WHY US

35 YEARS

**RESEARCH
& DEVELOPMENT**





TECHNOLOGY & INNOVATION

Raw Materials

Only 'non-recycled' 1st grade virgin raw material sourced locally from Polyethylene Malaysia Sdn Bhd (PEMSB a subsidiary of Petronas)



Special Recipe Formulations

Mixture of Different types of Additives, Masterbatch, UV Stabiliser, Colourant, Enhancer, etc.



Pallets from after
Melt-Compounding



Pulverised into
Powder form



Rotational Moulding

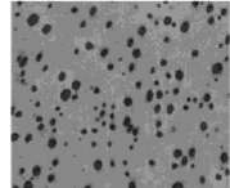
- Consistency; wall thickness and density
- High stability and strength



**Distribute Locally and
Export Overseas**




**Melt-
Compounded**



**Competitors
Dry-
Blended**

- Prevent discolouring, chip, break and crack
- Optimum protection against UV radiation
- Anti-microbial / Anti-algae
- Long-lasting high quality

POLYETHYLENE MALAYSIA



ADVANCE INFORMATION SHEET

ETILINAS HD3840UA HIGH DENSITY POLYETHYLENE

ETILINAS HD3840UA is a ultra-violet (UV) light stabilised linear medium density polyethylene grade with a narrow molecular weight distribution, supplied in pellet form for use as a rotational moulding grade.

CHARACTERISTICS include :

- good impact strength
- excellent external and internal surface finish
- UV stabilised

APPLICATIONS include :

- rotational moulded items
- injection moulded technical parts and closures

PHYSICAL PROPERTIES

Property	Units	Value	Test method
Melt flow rate (2.16 kg load)	g/10 min	4	ISO 1133-1991 : Condition 4
Density (annealed)	kg/m ³	938	ISO 1872/1-1986
Tensile strength at yield	MPa	16	ISO/R527-1966 : Type 2 Speed D
Elongation at break	%	>200	ISO/R527-1966 : Type 2 Speed D
Flexural modulus	MPa	650	ISO 178-1975
Impact strength (Charpy)	kJ/m ²	20	ISO 179-1982 : Condition 2C
Hardness (Shore D)		62	ISO 868-1985
Melting point	°C	125	ASTM D 2117
Vicat softening point (1 kg load)	°C	117	ISO 306
Thermal conductivity	W/m°C	0.48	ASTM C 117
Coefficient of linear expansion	/°C	10x10 ⁻⁴	ASTM D 696

The properties shown are typical values obtained by averaging a number of test results and small divergencies from the quoted figures may occur.

REFINED POLYMERS SDN. BHD. (207933-K)
 Lot 755, Jalan Subang 6, Off Persiaran Subang,
 Sungai Peraga Industrial Park,
 47509 Subang Jaya, Selangor Darul Ehsan,
 Tel: 03-7355999 Fax: 03-7355995/7354718


IMPORTANT NOTICE :
 Information contained in this document is accurate and reliable to the best of the knowledge and belief of POLYETHYLENE MALAYSIA SDN BHD (PEMSEB). The suggestions and recommendations offered herein serve as a guide in the use of these materials, and cannot be guaranteed because the conditions of use are beyond PEMSEB's control. PEMSEB assumes no responsibility for the use of information supplied, the application, adaptation or processing of the products described herein and hereby disclaims all liability (except as otherwise provided by the law) in respect to such use.
 Last Revision : October 9, 1995 : 5:07 pm

Raw Material HD3840UA from
PE Malaysia Sdn Bhd (Petronas)

(Naskah Rasmi)

SABAH

PERAKUAN DIKELUARKAN DI BAWAH SEKSYEN 39 DAN KAEDAH 58
ORDINAN CAP DAGANGAN 1949



No. 3/28263


Kepada HES CHAE KHENG alias
HOOI CHES MENG

DENGAN INI SAYA MEMPERAKUI bahawa di bawah peruntukan-peruntukan Ordinan Cap Dagangan 1949, nama tuan/puan telah dimasukkan dalam Bahagian A Daftar sebagai tuannya Cap Dagangan yang nombornya tersebut di atas mulai dari 16hb. Julai, 1981 dalam Kelas 11 berkenaan dengan barang-barang berikut: Water storage tanks for industries, household.

Satu contoh Cap itu ada dilekatkan di sini.

PEJABAT PENDAFTARAN CAP DAGANGAN,
SABAH.

Pendaftaran ialah bagi tempoh selama 7 tahun dan boleh diperbaharui semula apabila habis tempoh ini dan apabila habis tempoh dip-tap 14 tahun yang berikut.



Original POLYTANK®
Certificate



COUNTRIES EXPORTED TO

Australia

Indonesia

Papua New Guinea

Brunei

Maldives

Philippines

Canada

Morocco

Russia

China

Myanmar

Singapore

Fiji Island

New Zealand

UK

Hong Kong

Pakistan

Vietnam



CONTACT US



Address:

Lot 18, Jalan Pendamar 27/90,
Seksyen 27, 40400 Shah Alam,
Selangor Darul Ehsan, Malaysia



Office:

+603-5192 4199

Fax:

+603-5192 6493



Sales:

+6016-2633324 (Ms. Joyee)

+6011-3988 8388 (Ms. Chew)



www.refinedpolymers.my



info@refinedpolymers.my



[www.facebook.com
/RefinedPolymers](http://www.facebook.com/RefinedPolymers)

