



## แผงพลาสติกกั้นจราจรใส่น้ำ

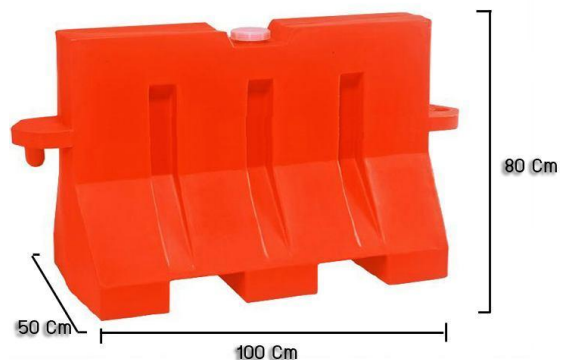
### Water Tank Barrier

รหัสสินค้า TA00199



ผลิตจากการหล่อขึ้นรูป พลาสติกหนา 5.5 มม. ใช้สำหรับกั้นเขตช่องทางการเดินรถ แบ่งเขตพื้นที่การทำงาน สร้าง  
ความเป็นระเบียบเรียบร้อย ในพื้นที่ใช้งาน ส่วนบนมีช่องใส่น้ำเพื่อให้มีน้ำหนักและมีรูระบายน้ำในตัว จึงเหมาะสำหรับในเขต  
พื้นที่ที่ไม่ต้องการให้เคลื่อนย้าย

- ขนาด : 50 x 100 x 80 ซม.  
วัตถุดิบที่ใช้ : Poly Ethylene (PE)  
ระบบการผลิต : Roto Molding  
เติมน้ำได้ : 20 ลิตร  
น้ำหนักชิ้นงาน : 11 กก.





มาตรฐานสินค้าจาก SCG



Technical Datasheet Polyethylene for Rotational Molding  
EL-Lene<sup>®</sup> M3204

**Storage**

- Store in original container in tidy according to the manual of Handling and Storage from Thai Polyethylene Company Limited.
- Product(s) should be stored in dry and dust free location at temperature below 50°C and protected from direct sunlight and/or heat, well-ventilated area, away from incompatible materials and food and drink, as this may lead to quality deterioration, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.
- Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
- The storage area should be stable and not be slopped.

**Safety**

- The product is not classified as a hazardous material.
- Please see our Material Safety Data Sheet for details on various aspects of safety, recovery, and disposal of the products, for more information contact your SCG Chemicals technical service.

**Recycling**

- The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.
- Please see our Material Safety Data Sheet for details on various aspects of safety, recovery and disposal of the product, for more information contact your SCG Chemicals technical service.

**Related Documents**

- The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.
- Material Safety Data Sheet
- Statement on compliance to food contact regulations

**Disclaimer**

- This product(s) can be used only for the application as specified hereabove.
- To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication, however we do not assume any liability whatsoever for the accuracy and completeness of such information.
- We make no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.
- It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.
- No liability can be accepted in respect of the use of our products in conjunction with other materials. The information contained herein relates exclusively to our products when not used in conjunction with any third party materials.

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**Product Description**

M3204 is linear-low density polyethylene provides an excellent impact property with a balancing of stiffness and processability. M3204 is suitable for rotational molding of container and general applications.

**Typical Application**

- Fishery/cooler containers
- Portable containers
- Material handling containers
- General purpose molding
- Chemical storage tanks

**Product Characteristics**

- Meet the requirements of U.S.21 CFR F.D.A. regulation Part 177.1520 clauses (C) for food contact use
- Meet Thai industrial standard TIS 816-2538 (1995)
- Good rigidity and toughness
- Broad processing window

**Physical properties**

Properties	Test Method	Value*	Unit
<b>Resin properties</b>			
Melt Index	ASTM D 1238 @ 190°C, 2.16 kg	4.0	g/10 min
Density	ASTM D 1505	0.932	g/cm <sup>3</sup>
Melting Point	ASTM D 2117	125 (257)	°C (°F)
Crystallization Point	ASTM D 2117	110 (230)	°C (°F)
Heat Deflection Temperature (HDT)	ASTM D648	64 (147)	°C (°F)
Vicat Softening Temperature	ASTM D1525	110 (230)	°C (°F)
<b>Mechanical Properties</b>			
Tensile Strength-at-Yield	ASTM D 638 @ Crosshead speed 50 mm/min	170 (17)	kg/cm <sup>2</sup> (MPa)
Tensile Strength-at-Break	ASTM D 638 @ Crosshead speed 50 mm/min	250 (25)	kg/cm <sup>2</sup> (MPa)
Elongation-at-Break	ASTM D 638 @ Crosshead speed 50 mm/min	1000	%
Flexural Modulus	ASTM D 790 @ Crosshead speed 2 mm/min	5800 (580)	kg/cm <sup>2</sup> (MPa)
Surface Hardness	ASTM D 2240	55	Shore D
ARM Impact Strength @ -40°C	ARM Method (5 mm rotomol ded sample)	25 (90)	J/mm (lb-R)
Brittleness Temperature	ASTM D 746	<-60 (140)	°C (°F)

\*Value quoted are the result of tests on representative samples, and product supplied in all respects.

**Processing Guidelines**

Molding cycles depend on mold materials and its wall thickness, oven temperature, and shot size. Typical oven temperatures should be set between 250 and 300°C.

**Product Technical Assistance**

For technical assistance or further information on this grade or any other products, please contact Technical service engineer.

**Product Available Form**

- M3204RU = Natural pellet with low level UV resistance (UV2)
- M3204RUP = Natural powder (35 mesh) with low level UV resistance (UV2)
- M3204RW = Natural pellet with high level UV resistance (UV8)
- M3204RWP = Natural powder (35 mesh) with high level UV resistance (UV8)
- Marvel M40 = Color compound powder (35 mesh) with high level UV resistance (UV8)

**Product Packaging**

- 25 kg loose bag
- 25 kg bag on pallet