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IND 19.6002



INTERNATIONAL PLASTIC INDUSTRY IPI

PVC Pipes: **Products Catalog**

2026

ABOUT MOLI

WHO WE ARE

Moli Pipes & Plastic Solutions is a Lebanese manufacturer specializing in high-quality uPVC piping systems for infrastructure, construction, water distribution, drainage, telecommunications, and electrical networks.

Our products are manufactured according to recognized international standards and are designed to deliver durability, reliability, and long-term performance. Through continuous innovation and strict quality control procedures, Moli provides solutions trusted by contractors, consultants, distributors, and project developers throughout the region.



OUR VISION

To become a trusted regional leader in plastic piping solutions by providing innovative products that support sustainable infrastructure and long-term development.



OUR MISSION

To manufacture reliable, high-performance piping systems that meet international standards while delivering exceptional quality, service, and value to our customers.

WHY CHOOSE MOLI

- International quality standards
- Third-party laboratory testing
- Reliable and durable products
- Modern manufacturing processes
- Technical support and customer service
- Wide range of uPVC piping solutions
- Suitable for water, drainage, telecom and electrical applications
- Custom solutions for project requirements



Overview

Moli Pipes & Plastic Solutions provides customers with a number of solutions to all requirements that may arise in the commercial and private drainage sector.



Benefits

- Abrasion resistance
- Good hydraulic properties
- High impact/tensile strength
- Low weight
- Chemical resistance : uPVC pipes are resistant to damage from alkalis and acids alike
- Environmental: PVC uses less renewable resources and is extensively recyclable
- Smoothness: the smooth inner surface of uPVC pipes allows a significantly greater flow compared to other non-PVC alternatives (low friction coefficient)
- Flame resistance: uPVC pipes have a high kindling point: they do not burn without an external ignition source (exceeding 450° Celsius) and are self-extinguishing
- Dimensions range from 50mm to 400mm for waste and sewage applications as well as for electrical and telecommunication systems



Usage & Application

Moli Pipes & Plastic Solutions uPVC pipes are manufactured to suit various applications:

- Cable ducts for electrical and telecommunication cables
- Ventilation and building soil waste elimination within the building
- Underground drainage and sewer networks
- Potable Water distribution and pressurised systems



Storage & Transportation

Proper storage and transportation are crucial to prevent damage to uPVC pipes.

- Pipes are stacked on a flat and level surface
- Surface is free from sharp objects that may cause irreparable damage
- Loose pipes are stored on a stable platform
- Careful attention is paid when loading and off-loading pipes
- Avoid dragging pipes across the ground and prevent sharp edges from damaging the pipes.



(EN 1329 - DIN 19531)

uPVC Soil & Waste Pipes

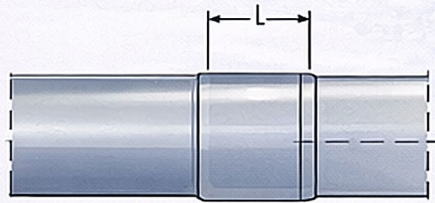
Usage

Moli Pipes & Plastic Solutions uPVC soil and waste pipes are manufactured in accordance with EN 1329 and DIN 19531 standards, Ranging in Diameter from 50mm to 200mm. Suitable for soil, waste and vent application

Socket Type

Moli Pipes & Plastic Solution uPVC soil and waste pipes range are fitted with a Solvent Cement (S.C.) socket.

EN 1329			DIN 19531		
OD	S	Socket Type	OD	S	Socket Type
50	3.0	S.C.	50	1.8	S.C.
63	3.0	S.C.	75	1.8	S.C.
75	3.6	S.C.	110	2.2	S.C.
110	3.2	S.C.	125	2.5	S.C.
125	4.0	S.C.	160	3.2	S.C.
200	4.9	S.C.	Dimensions are in mm		



All pipes are supplied in 6-meter lengths of Grey, Orange, Blue, or Red color, For non-standard lengths and thicknesses, please contact Moli IPI

(EN 1401- DIN 19534)

uPVC Underground & Sewer Pipes

Usage

Moli IPI uPVC Underground and sewer pipes are manufactured in accordance with EN 1401 and DIN 19534 standards, ranging in diameter from 110mm to 630mm, suitable for underground drainage and sewer networks.

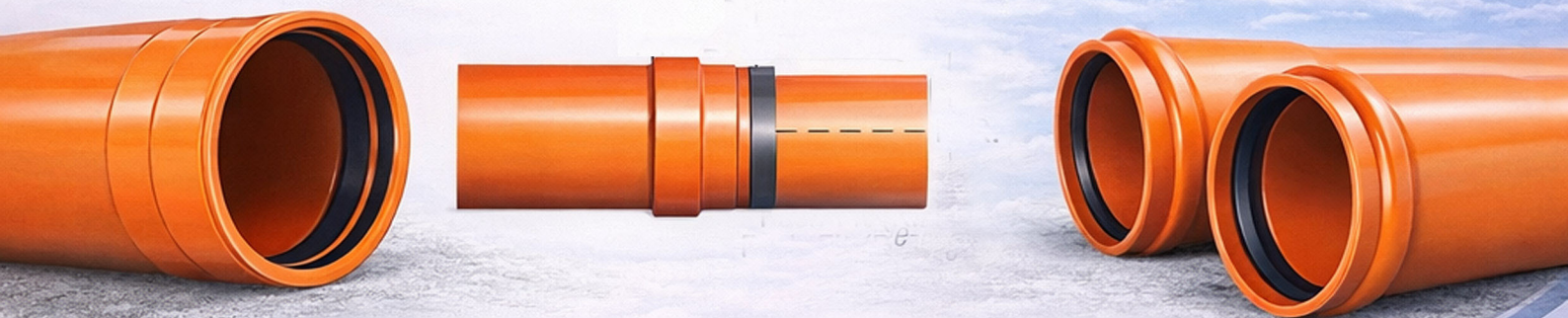
Socket Type

Moli IPI uPVC underground and sewer pipes range are fitted with a Push-Fit (R.R.) socket.

EN 1401					DIN 19534		
OD	SN2 SDR 51	SN4 SDR 41	SN8 SDR 34	Socket Type	OD	S	Socket Type
110	2.7	3.2	3.2	R.R	110	3.0	R.R
125	2.7	3.2	3.7	R.R	125	3.0	R.R
160	3.6	4.0	4.7	R.R	160	3.6	R.R
200	4.0	4.9	5.9	R.R	200	4.5	R.R
250	4.9	6.2	7.3	R.R	250	6.1	R.R
315	6.2	7.7	9.2	R.R	315	7.7	R.R
400	7.7	9.8	11.7	R.R	400	9.8	R.R
500*	9.8	12.3	14.6	R.R	500	12.3	R.R
630*	12.3	15.4	18.4	R.R	630	15.4	R.R

dimensions are in mm

Dimensions are in mm



uPVC Telecommunication Pipes

Usage

Moli IPI uPVC Telecommunication Pipes are manufactured in accordance with NFT 54-018 standards, with a diameter of 50 mm and 100mm, suitable for ducting telecommunication lines, especially for fiber optic installations.

Moli IPI also manufactures **cable ducts** for direct burial with a range from 50 mm up to 200 mm.



Socket Type

Moli IPI uPVC Telecommunication pipes are fitted with a Solvent Cement (S.C.) socket.

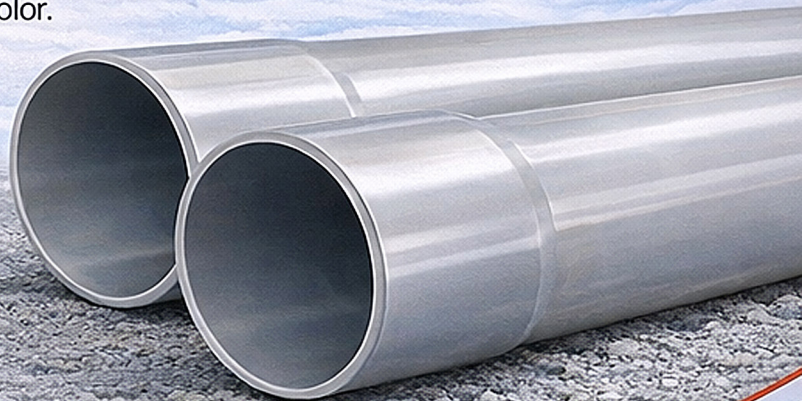
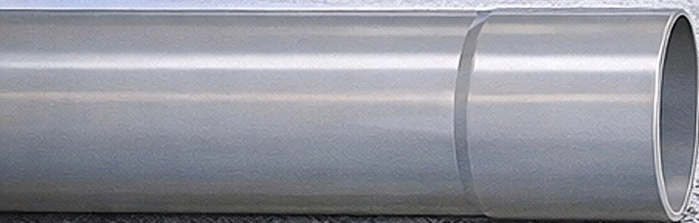
NFT 54-018		
OD	S	Socket Type
50	2.0	S.C.
100	2.0	S.C.

Dimensions are in mm

CABLE DUCTS			
OD	MB (SN4)	DB (SN8)	Socket Type
50	3.0	1.8	S.C.
75	3.5	2.3	S.C.
100	2.5	3.0	S.C.
110	3.0	3.2	S.C.
160	4.0	4.7	S.C.
200	4.9	5.9	S.C.

Dimensions are in mm

All pipes are supplied in 6-meter lengths of a Grey color. For non-standard lengths, thicknesses and colors, please contact Moli IPI



uPVC Pressure Pipes

Usage

Moli IPI uPVC pressure pipes are manufactured in accordance with EN 1452 standard, ranging in diameter from 20mm to 400mm, suitable for pressurised systems and potable water.

Socket Type

Moli IPI uPVC pressure pipes range are fitted with a Solvent Cement (S.C.) or Push-Fit pressure rubber ring (R.R.) sockets.

EN 1452

working pressure in bars at 20° C.

OD	PN6	PN10	PN16	PN20
20	—	—	—	2.0*
25	—	—	—	2.5*
32	—	2.4	3.0	3.0
40	1.8	2.4	3.7	4.6
50	1.9	3.0	4.4	5.8
63	2.2	3.6	5.5	7.0
75	2.7	4.3	6.6	8.2
90	125	4.0	100	11.8
200	4.9	7.7	12.0	14.7
250	5.9	9.6	9.5	
315	6.2	12.1	14.8	

* Plain Ends

All pipes are supplied in 6 meter lengths of a Dark Grey color.
For non-standard lengths, thicknesses and colors, please contact:

Jointing Procedures



1



2



3



4



5

Clean pipe and fitting ends from dust and any burrs to ensure a clean surface for bonding.

Insert the pipe or fitting into the joint and mark with a line the point of farthest travel.

Apply solvent cement to both ends.

Re-insert pipe or fitting ensuring that the marked line coincides with the edge of the pipe and leave to dry.

Clean pipe and fitting ends from dust and any burrs. If necessary, chamfer the edge of the pipe to ease insertion.

Insert the pipe or fitting into the joint and mark with a line the point of farthest travel.

Insert O-ring into pipe or fitting making sure it is well seated in the joint.

Push the ends of the pipe (or fitting) together applying enough pressure to complete the seal.



1



2



3



4



5



6

PVC Fittings



INTERNATIONAL PLASTIC INDUSTRY IPI



DN/OD 110 - 500

Moli IPI solvent cement fittings are designed around Moli IPI pipes ensuring the highest quality, best match for the pipes and reliability throughout the service life of the system.

Moli IPI O-ring pipes have a perfect match in the underground drainage fittings by Funke Gruppe (Germany). The use of Funke fittings along with Moli IPI products ensures a perfect and reliable seal everytime.

DN/OD 110 - 500



PPR PIPES & FITTINGS

Reliable. Safe. Long Lasting.

Moli PPR Pipes & Fittings are polypropylene random copolymer (PPR-C) systems designed for hot and cold water distribution in residential, commercial, and industrial applications.

Manufactured with advanced technology and high quality raw materials, Moli PPR products ensure excellent performance, high pressure resistance, corrosion resistance, and long service life. Ideal for modern plumbing systems.



KEY FEATURES

-  • High pressure and temperature resistance
-  • Corrosion and chemical resistant
-  • Smooth inner surface for optimal flow
-  • Lightweight and easy to install
-  • Heat fusion jointing for permanent leak-proof connection
-  • Long life expectancy
-  • Environmentally friendly and recyclable
-  • Food grade – safe for drinking water

APPLICATIONS

- Hot & cold water supply systems
- Residential and commercial buildings
- Hospitals and schools
- Industrial piping systems
- Solar water heater connections
- Air conditioning systems
- Floor heating systems



PPR PIPES – PN 20 (SDR 6)

Outside Diameter (mm)	Wall Thickness (mm)	Internal Diameter (mm)	Water Volume (l/m)
20	3.4	13.2	0.137
25	4.2	16.6	0.216
32	5.4	21.2	0.352
40	6.7	26.6	0.555
50	8.3	33.4	0.876
63	10.5	42.0	1.385
75	12.5	50.0	2.025
90	15.0	60.0	2.827
110	18.3	73.4	4.228

Dimensions are in mm. Other PN classes (PN 10 / PN 16 / PN 25) available on request.

PPR FITTINGS RANGE

 Socket	 Elbow 90°	 Tee	 Reducer
 Coupling	 Male Adaptor	 Female Adaptor	 Union

TECHNICAL SPECIFICATIONS

Material	PPR-C (Polypropylene Random Copolymer)
Color	Green
Temperature Range	-10°C to +95°C
Maximum Working Pressure	PN 10, PN 16, PN 20, PN 25
Standards	ISO 15874 / EN ISO 15874
Jointing Method	Heat Fusion (Socket Fusion)
Application	Hot & Cold Water Distribution Systems

AVAILABLE LENGTHS

Pipes are supplied in 4 meter lengths with plain ends. Other lengths available on request.



High Temperature Resistance

Suitable for continuous operation up to 95°C.



Leak Proof System

Heat fusion jointing ensures permanent, reliable connections.

HDPE PIPES & FITTINGS

Stronger. Safer. Built to Last.

Moli HDPE Pipes & Fittings are manufactured from high-density polyethylene using advanced extrusion technology to ensure superior quality and performance. They are ideal for a wide range of pressure and non-pressure applications.

HDPE systems offer excellent resistance to corrosion, chemicals, abrasion and impact, making them the perfect solution for water supply, gas distribution, irrigation, sewerage and industrial applications.

KEY FEATURES

- High strength-to-density ratio
- Excellent corrosion and chemical resistance
- High flexibility and impact resistance
- Leak-proof and joint reliability
- Lightweight and easy to transport
- Long service life – 50+ years
- Smooth inner surface for maximum flow
- UV resistant (black with blue stripes)
- Environmentally friendly and 100% recyclable

APPLICATIONS

- Potable water supply and distribution
- Gas distribution systems
- Irrigation and agricultural systems
- Sewerage and drainage systems
- Industrial and mining applications
- Cable ducting and conduit systems
- Slurry and chemical transport



HDPE PIPES – PE 100 (PN RATING)

Outside Diameter (mm)	SDR	PN Rating (bar)				
		PN 6	PN 8	PN 10	PN 12.5	PN 16
20	11	–	2.5	3.0	3.6	4.7
25	11	–	2.0	2.3	2.8	3.6
32	11	–	1.6	2.0	2.4	3.0
40	11	–	1.2	1.5	1.9	2.4
50	11	0.8	1.0	1.2	1.6	2.0
63	11	0.6	0.8	1.0	1.2	1.6
75	11	0.5	0.7	0.9	1.1	1.4
90	11	0.4	0.6	0.8	0.9	1.2
110	11	0.3	0.5	0.6	0.7	1.0
125	11	0.3	0.4	0.5	0.6	0.8
160	11	0.2	0.3	0.4	0.5	0.6
200	11	0.2	0.2	0.3	0.4	0.5
250	11	–	0.2	0.3	0.3	0.4
315	11	–	0.1	0.2	0.2	0.3
355	11	–	0.1	0.2	0.2	0.2
400	11	–	0.1	0.1	0.2	0.2

Other SDR classes (SDR 17, SDR 26) and custom pressure ratings are available on request.
Dimensions are in mm.

AVAILABLE LENGTHS

Pipes are supplied in 6 meter lengths as standard.
Other lengths (3m, 12m) are available on request.



Leak Proof System
Fusion joints ensure permanent, reliable connections.



Corrosion & Chemical Resistance
Ideal for harsh environments and aggressive media.

HDPE FITTINGS RANGE

Coupling	90° Elbow	45° Elbow	Tee	Reducer
End Cap	Flange Adaptor	Electrofusion Coupling	Electrofusion Elbow 90°	Saddle Clamp

TECHNICAL SPECIFICATIONS

Material	HDPE PE 100
Color	Black with Blue Stripes
Density	0.955 – 0.965 g/cm ³
Temperature Range	-40°C to +60°C
Maximum Working Pressure	Up to 16 bar (depending on SDR & PN)
Standard	ISO 4427 / EN 12201 / ASTM D3035
Joining Methods	Butt Fusion / Electrofusion / Compression
Applications	Water, Gas, Irrigation, Sewerage, Industrial

PORTABLE WATER SOLUTIONS

Clean Water. Anywhere. Anytime.

Moli Portable Water Solutions are designed to store and transport clean water safely and efficiently. Our high-quality water tanks are manufactured from food-grade materials using advanced rotational molding technology, ensuring strength, durability, and long service life.

Ideal for households, construction sites, agriculture, emergency use, and outdoor activities, Moli tanks provide a reliable solution wherever water is needed.



KEY FEATURES

-  Made from food-grade virgin polyethylene (LLDPE)
-  UV stabilized – suitable for outdoor installation
-  Corrosion, rust and chemical resistant
-  Leak-proof, seamless, and impact resistant
-  Lightweight and easy to transport
-  Wide range of capacities to suit every need
-  Easy to clean and maintain
-  Designed for long term performance

APPLICATIONS

- Drinking water storage
- Household water reserve
- Construction sites and projects
- Agricultural and irrigation use
- Emergency and disaster relief
- Camping, outdoor and recreational activities
- Caravan and mobile applications



VERTICAL WATER TANKS – DIMENSIONS

Capacity (Liters)	Diameter (mm)	Height (mm)	Manhole (mm)	Inlet/Outlet (Inch)
300	650	950	200	1"
500	780	1,110	200	1"
750	950	1,200	200	1"
1000	1,070	1,350	200	1"
1500	1,250	1,650	400	1½"
2000	1,400	1,750	400	1½"
3000	1,650	2,050	400	1½"
5000	1,880	2,350	400	2"
10000	2,230	2,900	400	2"

* Dimensions are approximate and may vary slightly.

AVAILABLE COLORS

Standard Colors:    (Other colors available on request)



Food Grade
Safe for storing
potable water



UV Protection
Resistant to sun
and harsh weather



Strong & Durable
Built for long life &
heavy duty use

HORIZONTAL WATER TANKS – DIMENSIONS

Capacity (Liters)	Length (mm)	Width (mm)	Height (mm)	Manhole (mm)	Inlet/Outlet (Inch)
500	1,050	780	720	200	1"
1000	1,450	950	900	200	1"
1500	1,850	1,070	1,020	200	1½"
2000	2,050	1,170	1,150	200	1½"
3000	2,400	1,400	1,300	400	1½"
5000	2,900	1,650	1,450	400	2"

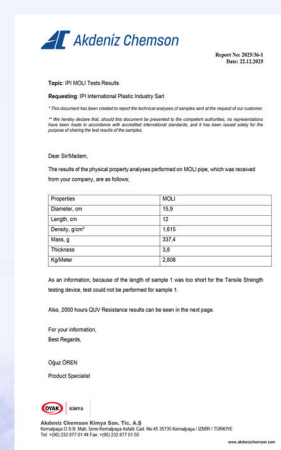
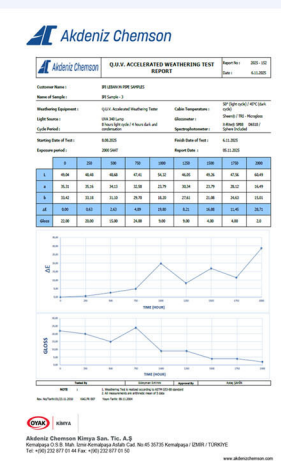
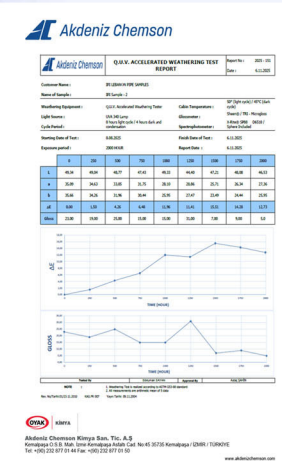
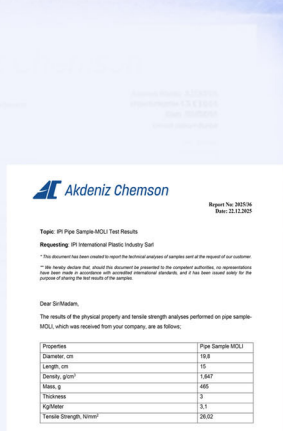
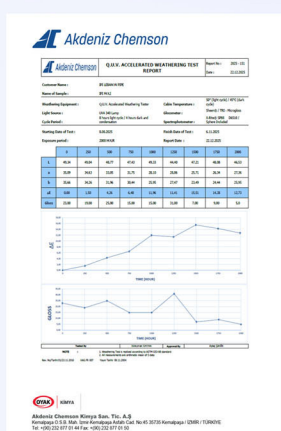
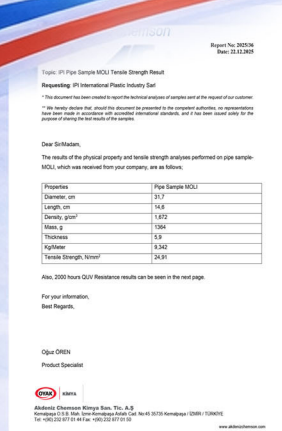
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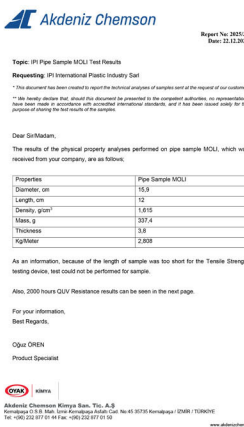
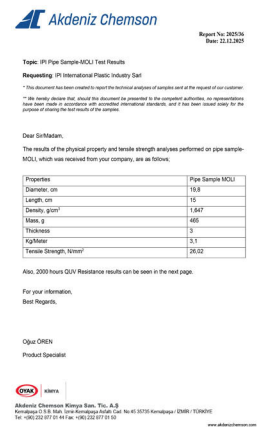
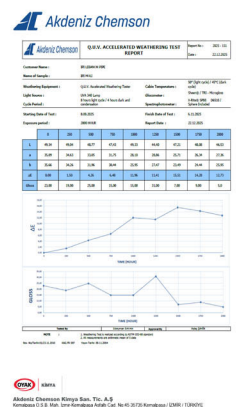
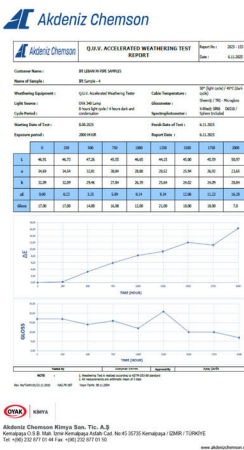
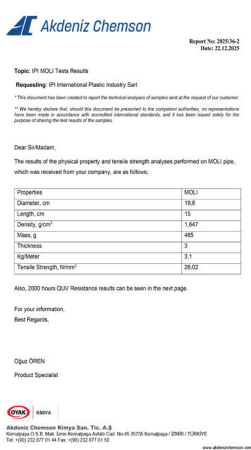
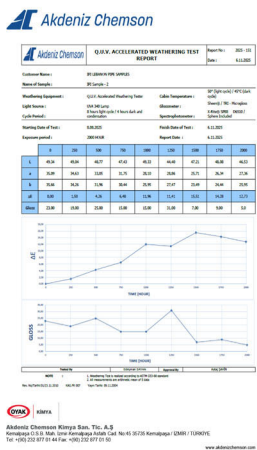
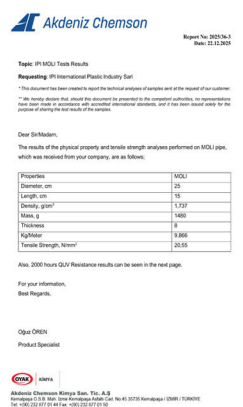
QUALITY YOU CAN TRUST

Moli water tanks are manufactured under strict quality control standards to ensure safe storage, excellent performance and complete peace of mind.

-  100% Virgin Material
-  Rotational Molding Technology
-  Leak Proof Design
-  Environmentally Friendly & Recyclable



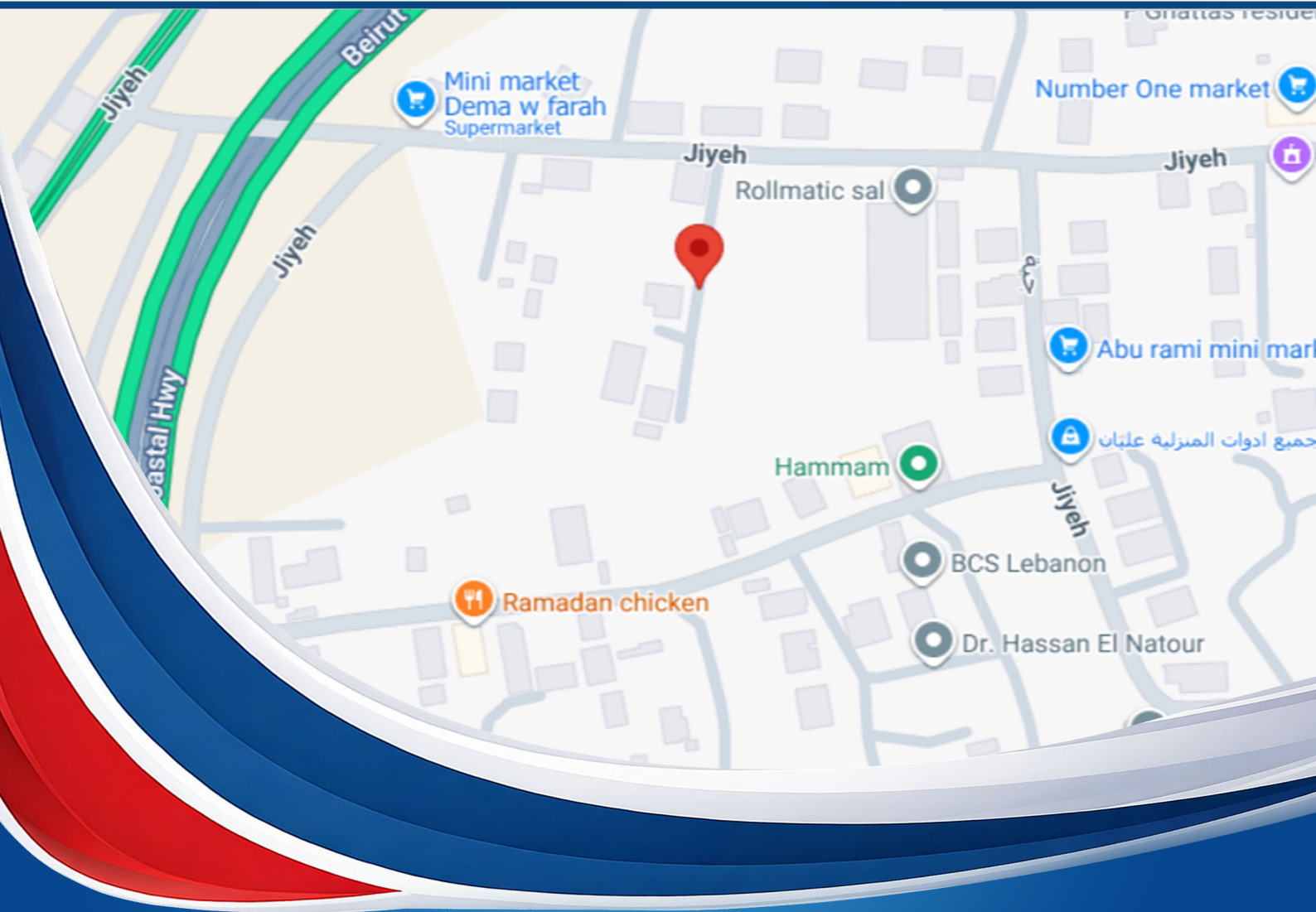




Our products undergo strict quality control procedures and tests conducted by third-party laboratories to ensure compliance with international standards.



INTERNATIONAL PLASTIC INDUSTRY IPI



Contact Info

Address: Zarout, Al Jiyeh

Tel: 03999498

Mobile: 03090154

Email: Hassan_Massri@hotmail.com