



POLY EMIRATES

PLASTIC INDUSTRIES



ANTI-MICROBIAL
FOR THE FIRST TIME IN UAE

LATEST TECHNOLOGY

HIGH QUALITY



REVOLUTION IN WATER STORAGE TECHNOLOGY

www.polyemirates.com

COMPANY BRIEF

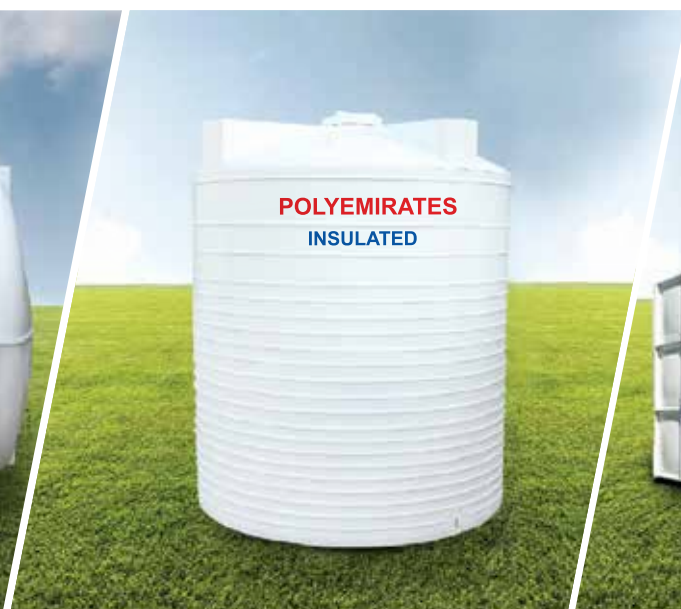
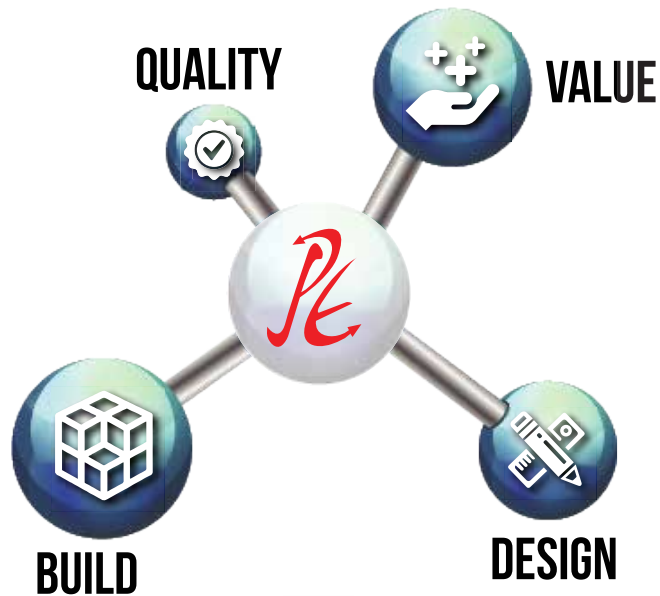
POLY EMIRATES is one of the leading Plastic Manufacturing companies in UAE. **POLY EMIRATES** is the producer for various products such as Water Tanks and Road Barriers.

We are committed to excellent designs, high quality and latest technology that the company is doing its best to give its clients the reason to come back.

**SUSTAINABLE
QUALITY**

HYGIENIC

**EASY TO
ASSEMBLE**



POLY EMIRATES WATER STORAGE TANKS

POLY EMIRATES
INSULATED

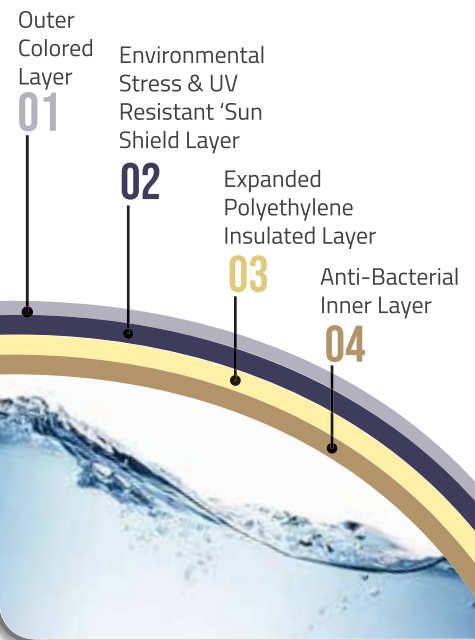
POLY EMIRATES water storage tanks are made from high quality **Linear Polyethylene** which has superior mechanical properties, high stiffness, excellent for temperature, impact strength and excellent environmental stress crack resistance.



A NEW GENERATION OF POLYETHYLENE
WATER STORAGE TANKS FROM
POLY EMIRATES PLASTIC INDUSTRIES



A **Unique 4-Layer** Insulation
With Inner Micro-Bacterial Layer
Available in Many Sizes, from 100
to 6000 U.S. Gallons Capacity



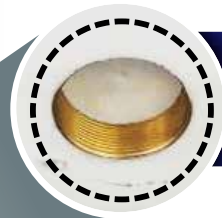
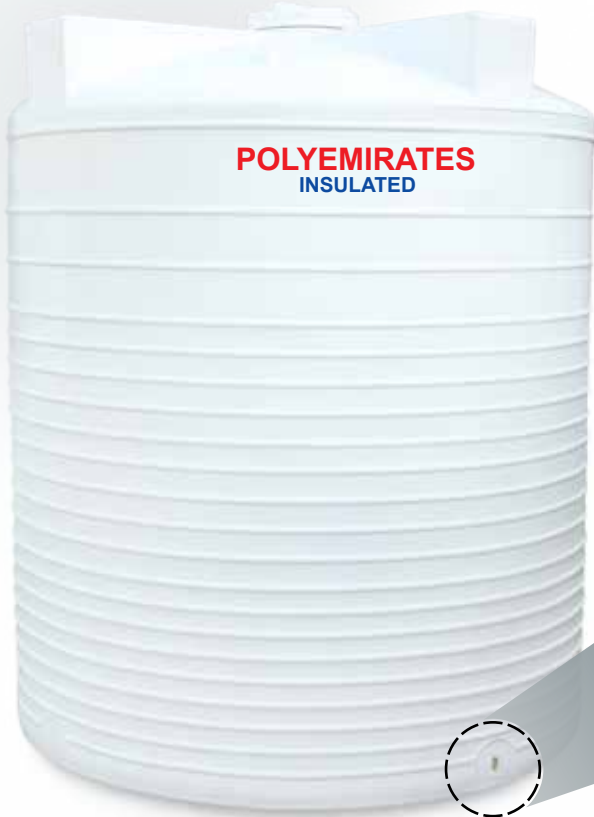
The formulation of Sanitized MB MB LPE 23-70 does not contain components which, with the present state of knowledge, lead to a health hazard at intended or foreseeable application.

Plastic articles intended to come into contact with foodstuffs are regulated in the European Union by Directive 90/128/EEC and its amendments. We confirm the Sanitized. MB LPE 23-70 is in compliance with the directive 90/128/EEC.

UNCOMPROMISED QUALITY

POLYEMIRA
INSULATED

POLYEMIRATES
INSULATED



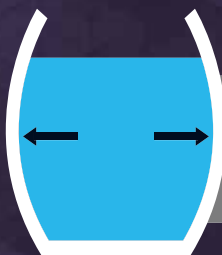
Tanks Over 2000 Gallon Capacity Will Come With Brass Outlet Connector

HORIZONTAL TANK
100 - 2000 U.S.G

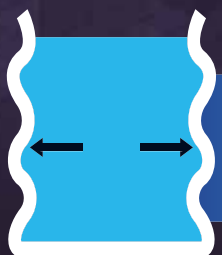
VERTICAL TANK
100 - 6000 U.S.G



WHAT MAKES POLY EMIRATES TANKS BETTER THAN ORDINARY TANKS ?



Ordinary Tanks Bulge Due to Lack of Ribs



POLY EMIRATES
Tanks have Extra Ribs for Extra Strength

PHYSICAL PROPERTIES

Melt Index	5.0 g / 10 min
Vicat Softening	115.0 Celsius
Density	0.935 g /cubic cms
Bulk Density	0.420 g /cubic cms
Tensile Strength at yield	2600.0 Psi
Tensile elongation yield at break	700.00%
Flexural strength	2800.0 Psi
Flexural modulus	105000 Psi
Environmental stress-crack resistance	F 50- 300 Hr
Toxicity	Free from Toxic
Water absorption	0.20%

WATER TANKS SPECIFICATIONS

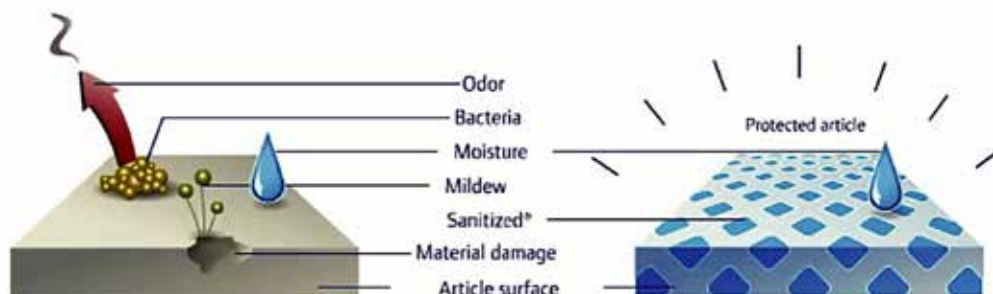
Poly Emirates Water Tanks are the Most Cost Effective Way to Store Drinking Water for Residential and Commercial Installation.

POLY EMIRATES tanks are treated with **ANTI-MICROBIAL TECHNOLOGY** additives. This unique treatment promises to keep the tank cleaner and more hygienic in today's fast-paced life cycle.

The **ANTI-MICROBIAL TECHNOLOGY** protection has been tested in the laboratories according to international standard. The test result supports us in documenting the quality and effectiveness of the **ANTI-MICROBIAL TECHNOLOGY** finish of **POLY EMIRATES** Water Storage Systems.



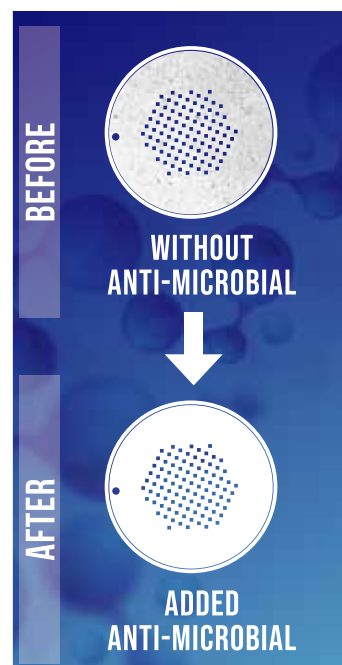
**ANTI-MICROBIAL TECHNOLOGY
FOR POLYMERS
ADDITIONAL SAFEGUARD**



POLY EMIRATES tanks are UV stabilized for outdoor use and will not breakdown under harsh outdoor weather condition and will not rust, chip or corrode. Inner Black color layer prevents water borne algae growth. To ensure the highest quality all **POLY EMIRATES** Tanks have been manufactured according to ASTM D1998-93 Standards and meet or exceed customer expectations.

POLY EMIRATES Tanks are made from Linear Low Density Polyethylene (LLDPE) with 100% virgin resin meets specifications contained in FDA Regulation.

POLY EMIRATES Tanks gives your tank protection against bacteria and fungal attack and prevents growth of slime formation in the inner layer. These tanks are totally choice when it comes to high temperature. These tanks reflect back the heat of the sun and relatively keep the water cool during those harsh summer months. Tanks come with facility of "Threaded Lids" can be screwed on the top to keep the dust out.



SAFE & CLEAN WATER

when you need it...



BENEFITS OF POLY EMIRATES WATER STORAGE TANKS



CLEAN & HYGIENIC

Specially designed with smooth inner layer that resists growth of algae and bacteria



LEAK PROOF

The one piece molded body has no joints and is absolutely maintenance free



RUST PROOF

Polyethylene granules used in the construction ensure it is strong, durable and corrosion-free



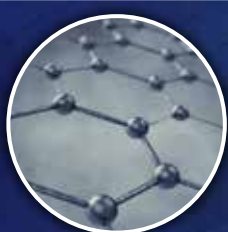
LIGHTWEIGHT & EASY TO INSTALL

Designed for easy handling, mobility and installation



SECURE

A special threaded cover ensures that the tank and its contents cannot be tampered with, keep water fresh and clean



STRONG & STRESS RESISTANT

Special 'membrane ribs' that counter 'hoop stress' help reinforce the tank



VERTICAL & HORIZONTAL MODELS

For particular space/ design specification



SUITABLE FOR OVER-HEAD & GROUND APPLICATION

Adaptable to a variety of applications in household, water supply scheme, agriculture farms, chemical plant, defence, hospitals, offices, schools and colleges

RANGE & DIMENSIONS



HORIZONTAL TANK



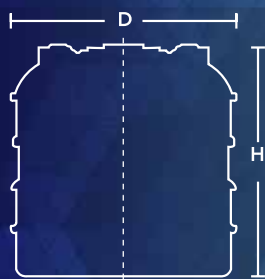
L Length
H Height
D Diameter

HORIZONTAL TANK

S. No	Product Code	US Gallon	IMP Gallon	Litre	DIA mm	Length	Height	Manhole Size mm	Average Thickness mm	Insulated Tank Average mm
1	PEH 10	100	83	379	700	1100	760	400	4	6
2	PEH 20	200	166	758	900	1320	965	400	5.50	7
3	PEH 30	300	250	1136	1,040	1500	1100	400	6	8
4	PEH 40	400	334	1514	1160	1600	1225	400	6.50	9.50
5	PEH 50	500	416	1893	1260	1700	1350	500	7.50	10.50
6	PEH 60	600	498	2271	1340	1800	1420	500	8	11
7	PEH 80	800	666	3028	1310	2250	1410	500	9	12
8	PEH 100	1000	833	3785	1450	2350	1550	500	9.5	13
9	PEH 125	1250	1040	4732	1522	2600	1622	500	12.5	13.5
10	PEH 150	1500	1250	5678	1725	2800	1825	500	14.5	16
11	PEH 200	2000	1666	7570	1800	2850	2250	500	16	18



VERTICAL TANK



H Height
D Diameter

VERTICAL TANK

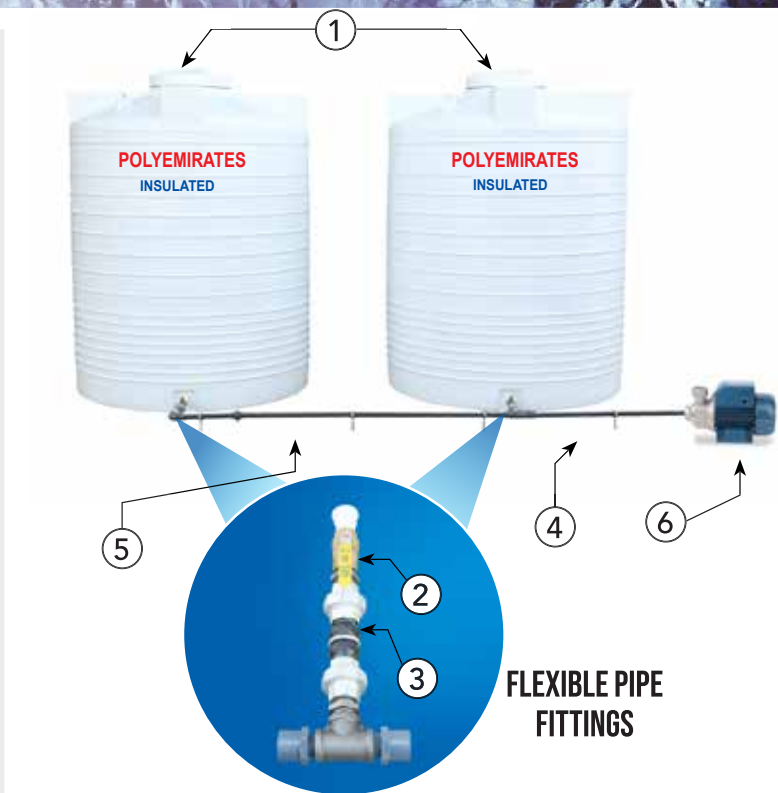
S. No	Product Code	US Gallon	IMP Gallon	Litre	DIA mm	Height	Manhole Size mm	Average Thickness mm	Insulated Tank Average mm
1	PEV 10	100	83	379	760	915	400	4	5.5
2	PEV 20	200	166	758	975	1145	400	4	6
3	PEV 30	300	250	1136	1100	1326	400	4.50	6.50
4	PEV 40	400	334	1514	1200	1485	400	5.50	7
5	PEV 50	500	416	1893	1300	1570	400	6	8
6	PEV 60	600	498	2271	1380	1675	400	6	8.5
7	PEV 80	800	666	3028	1520	1860	500	7.50	9
8	PEV 100	1000	833	3785	1620	2030	500	8	10
9	PEV 120	1200	1000	4542	1725	2140	500	8	10.50
10	PEV 125	1250	1040	4732	1880	2050	500	9	11
11	PEV 150	1500	1250	5678	1880	2230	500	8.50	11
12	PEV 200	2000	1667	7570	2100	2550	500	9.50	12
13	PEV 250	2500	2083	9464	2250	2900	500	12	13
14	PEV 300	3000	2500	11357	2420	2825	500	10	13
15	PEV 400	4000	3333	15142	2650	3100	500	11	13
16	PEV 500	5000	4166	18927	2800	3300	500	12.50	15
17	PEV 600	6000	5000	22712	3060	3500	500	13.50	15.50

Tolerance - 3% of the Nominal Dimension as Given in the Table.

CONNECTION/ INTERCONNECTION

TANKS CONNECTION PROCEDURE

1. You will receive the **POLY EMIRATES** water tank with loose PP fittings and holes drilled as per your requirements;
2. Place the tank on a smooth, properly leveled platform;
3. First remove the chuck nut and one rubber washer from fitting, apply the thread sealant, Teflon tape on threaded parts and insert the fitting into the hole by turning it clockwise. After inserting it properly, fix removed one rubber gasket from inside the tank and tighten chuck nut;
4. Hold the fittings with pipe wrench or suitable spanner and fix a ball valve, flexible pipe and connect to the pipeline;
5. Provide properly leveled support under outlet pipe or manifold pipe and fix the clamp on it to avoid stress on the tank;
6. Fix the Air vent on top of the tank especially of bigger sizes, to release the pressure from tank.



No.	Description
1	Air Vent
2	Ball Valve
3	Flexible Pipe Fittings

No.	Description
4	Pipe
5	Manifold Pipe
6	Pump

Flexible pipe connection allows for tank expansion/contraction and reduces pump/piping vibration stress on the tank thereby increasing the life of tank. Flexible pipe connections are a must for tanks bigger than 1,250 USG in Horizontal Tanks or 2,000 USG in Vertical Tanks to preserve warranty.

*Note: **POLY EMIRATES** will not be responsible for any damage/breakage to the tank due to improper connection of fittings or wrong interconnection of the tank.*

ITEM	CONCRETE	S. STEEL	FIBERGLASS	POLY EMIRATES
Durability	Fair	Good	Poor	Excellent ✓
Water Quality	Poor	Good	Fair	Excellent ✓
Water Tightness	Fair	Good	Fair	Excellent ✓
Transportation & Assembly	Poor	Fair	Poor	Excellent ✓
Corrosion	Fair	Good	Fair	Excellent ✓
Maintenance	Poor	Fair	Poor	Excellent ✓
Flammability	Good	Good	Excellent	Fair ✓
Cleaning	Poor	Excellent	Good	Excellent ✓

POLY EMIRATES ROAD BARRIERS

POLY EMIRATES ROAD BARRIERS are perfect for traffic and crowd management. They are light-weighted, easy to transport, impact resistant and offer a unique interlocking system extending through the entire barrier to provide a secure locking.

EXCELLENT DESIGN

HIGH QUALITY

LATEST TECHNOLOGY

REASONS TO CHOOSE POLY EMIRATES ROAD BARRIERS



**SUPERIOR DESIGN
FOR LIFE**



**HIGH IMPACT
RESISTANCE,
NON -FADING**



**UNIQUE
DOUBLE WALL
STRUCTURE**



**MAINTENANCE
FREE**



**CLEAR CHANNELING IN
HAZARDOUS AREAS**



**HIGHLY VISIBLE
AROUND WORKZONES**

SPECIFICATIONS & DIMENSIONS



MATERIAL

Made of high quality polyethylene. An Ultraviolet light (UV Stabilizer) inhibitor is introduced into the raw material mix to provide protection of the material in outside weather conditions



LIGHT WEIGHT

Can be handled without crane and is safe on loading and unloading



INTERLOCK

Male/ Female interlock on both ends gives rigidity and stability on ground



FORKLIFT ACCESSIBLE

Each unit has two wide forklift slots



COLOR AVAILABLE

White and Red



Easily Accessible, Fill and Drain Holes
with Secure Caps

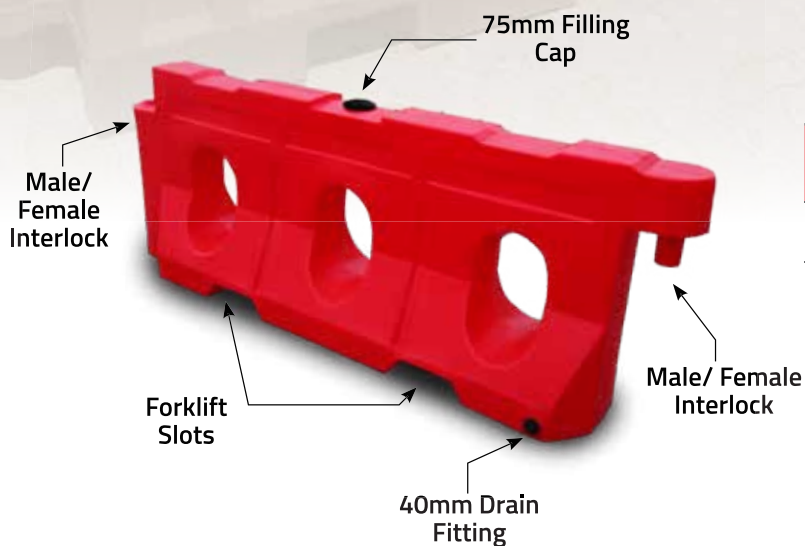
PERB 85 & PERB 100 (in mm)

CODE	LENGTH	HEIGHT	BASE WIDTH
PERB 85	2000	850	500
PERB 100	2000	1000	550

- When (PERB 85/100) empty:
22, 23, 25, 26, 27, 28, 30, 35, 40 kgs

APPLICATIONS

- ▶ Traffic Rerouting ▶ Temporary Road Closures ▶ Sidewalk Detours
- ▶ Public Works Projects ▶ Building Construction Zone
- ▶ Sports Or Special Events ▶ Parkades/ Parking Lots
- ▶ Airports, Air/ Ground Side ▶ Ferry Terminals



PERB 80 (in mm)

CODE	LENGTH	HEIGHT	BASE WIDTH
PERB 80	2000	800	400

- When (PERB 80) empty: 17,18,19,20,21 kgs

POLY EMIRATES BARRIERS

PE Barriers is designed to stop vehicle or slide it down the absorbing energy and saving lives

PE Barriers will remain intact with no breakage, crumbling or tearing apart. The UV protection prevents crumbling

PE Barrier can be easily moved and placed by two laborers or a skid steer

PE Barrier can be transported with a pickup or a trailer

PE Barrier can be ordered in your choice of colors

CONCRETE BARRIER

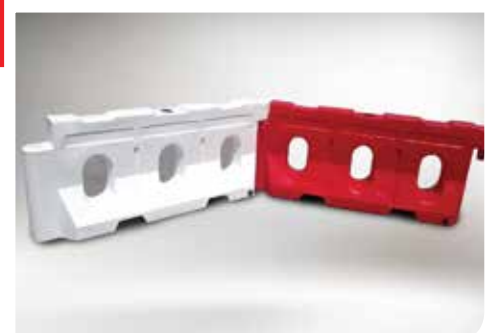
The concrete barrier is designed in such a way as to ramp a vehicle back into the lane it comes from. In most cases this causes the operator to lose control

When incurring a severe impact, the concrete barrier will break. Gradually the concrete will begin to crumble

Moving and placing the concrete barrier requires a crane or other heavy equipments

A Tractor trailer is required to transport 9-12 units

Concrete Barriers are gray, or require regular painting





POLY EMIRATES
PLASTIC INDUSTRIES

THE PERFECT SOLUTION FOR ALL YOUR WATER STORAGE NEEDS



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CLARIANT



ASSOCIATION OF
ROTATIONAL MOLDERS



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