

matrix
polymers



Experts In Rotomoulding Materials



ROTOPOL 2026 · WROCŁAW

Roto PE in Europe:

Turning Disruption into Opportunity

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Matrix Polymers | May 2026

30+

years of roto expertise

15

%

global PE supply at risk

- 01 The Disrupted Landscape
- 02 Why Traditional Supply Chains Are Broken
- 03 The Matrix Difference
- 04 Revolve® — Designed for Roto
- 05 Why Long-Term Partnership Wins
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The Perfect Storm

Three simultaneous shocks are reshaping the European PE market — permanently.



Gulf War & Hormuz

20% of world oil + 15% of global PE supply disrupted. Middle East exports constrained. Feedstock costs surging globally.



European Plant Closures

LYB, Borealis, SABIC, TotalEnergies, strategic restructuring. Europe went from net exporter to net importer of PE.



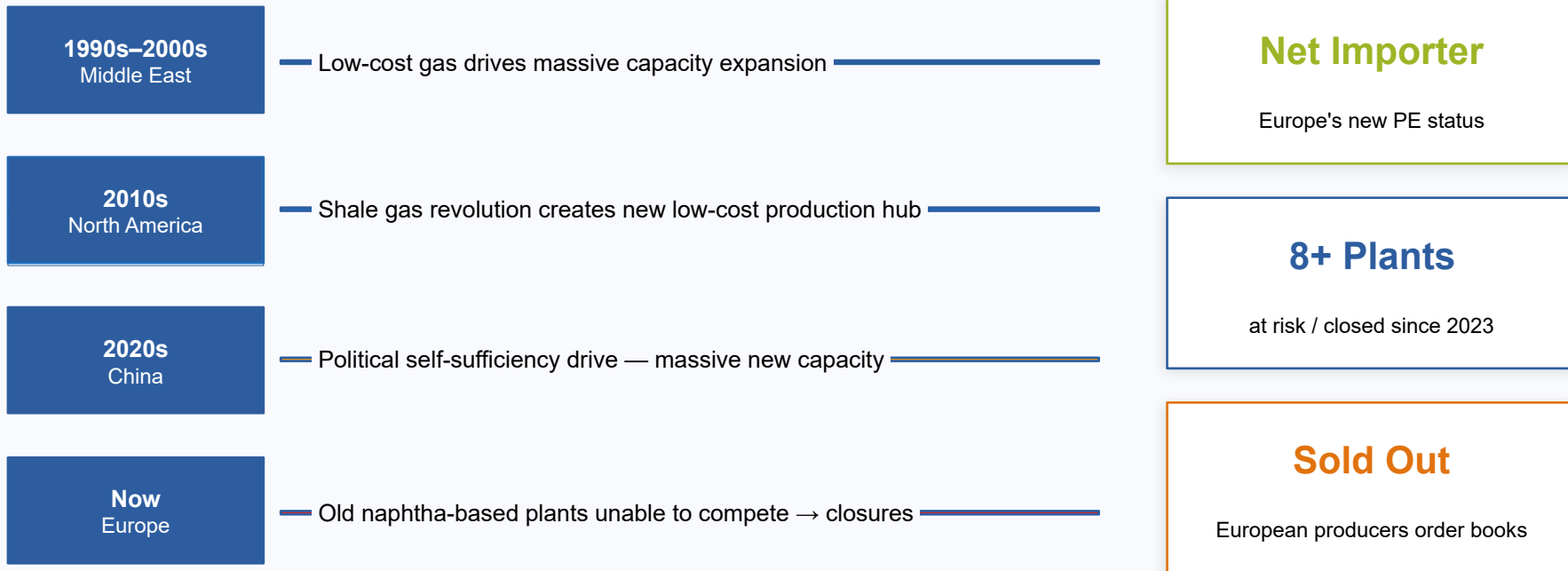
Structural Import Dependency

European producers sold out. Order books closed. Supply chains at critically low inventories.

Source: S&P Global, ICIS Supply & Demand Database, Martin Coles / Matrix Polymers CEO Report 2025

European PE Production: Structural Retreat

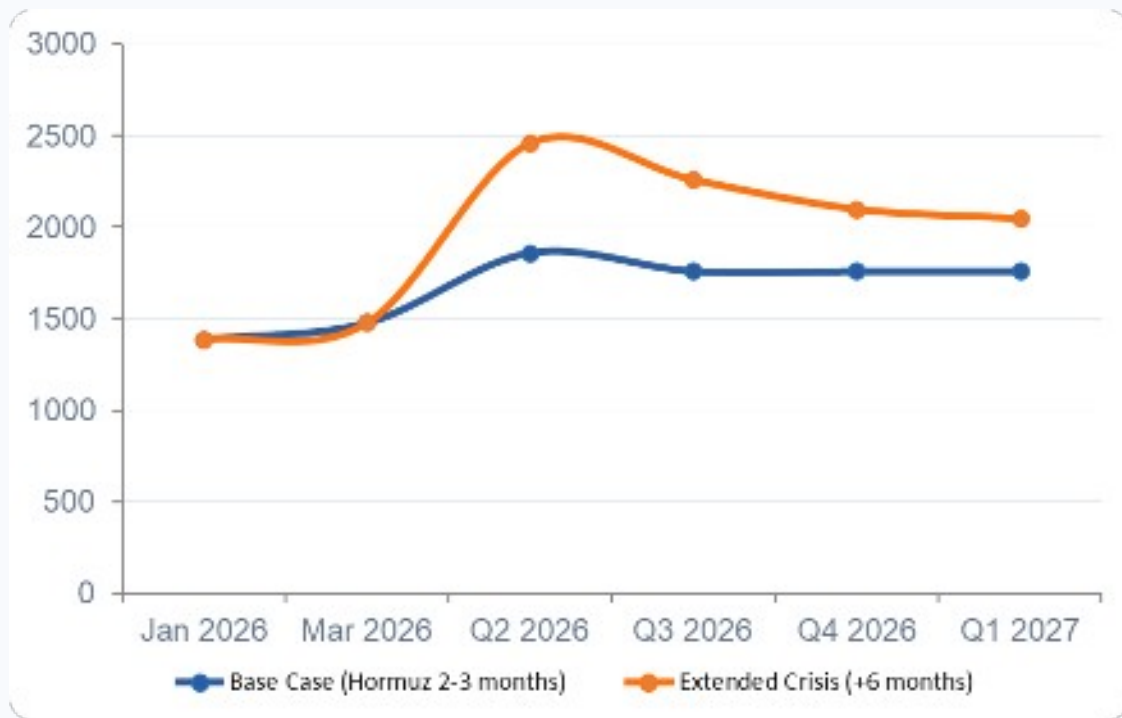
Old plants. High costs. No path to competitiveness. Closures are accelerating.



Source: S&P Global Commodity Insights, ICIS, Chem Analyst — Q1 2026

Price Trajectory: The New Reality

LLDPE roto powder (natural), delivered Poland — EUR/t indicative. Based on ICIS, myCEPPI & Matrix market intelligence.



+12-15%

vs Jan 2026
base case Q2

+25-40%

extended crisis
scenario

High Volatility

Expect big swings
- Plan for uncertainty

Sources: ICIS PE Europe Report Q1 2026, myCEPPI WK45/2025, Matrix Polymers market intelligence

Supply Continuity: The New Competitive Advantage

In today's market, it's no longer just about price. The ability to deliver — consistently — is what separates partners from suppliers.



Allocation Security

When demand spikes and the market tightens, customers with strategic supply agreements are protected. Those without — compete on the spot market.



Price Visibility

Volatile feedstock costs require forward planning. Market intelligence and pricing forecasts allow you to plan production costs — not just react to them.



Lead Time Certainty

With Middle East shipping at 3–6 weeks minimum and European inventories at historic lows, buffer stock held locally is not a luxury — it's a production requirement.



Grade Consistency

Certified applications require material continuity. Switching supplier mid-run risks process instability, failed audits, and costly retesting.



Source Transparency

Knowing where your granulate comes from — and having confidence it will keep coming — matters more in 2026 than it did in 2023.



Diversified Supply Chain

Dependence on a single feedstock region creates structural vulnerability. Multi-origin sourcing — Europe, Americas, Asia — provides resilience when one route is disrupted.

The New Normal: Expert Forecasts 2026–2028

The market is not returning to pre-2024 conditions. These are structural, not cyclical changes.

S&P Global Commodity Insights

European PE production capacity continues to decline through 2027. Net import dependency deepens. No new European PE plants announced.

Impact:
Structural supply tightness in roto-grade LLDPE

ICIS European PE Outlook Q1 2026

Middle East supply disruption adds 15–20% to European PE landed costs. Recovery timeline: 12–18 months minimum even if conflict resolves.

Impact:
Sustained price elevation — no quick return to 2023 levels

Wood Mackenzie / Chem Analyst

Chinese PE exports to Europe increasing — but quality, consistency and documentation issues limit uptake for technical applications like roto.

Impact:
Asian material not a reliable substitute for roto-grade European PE

Plastics Europe — Recycling Directive

EU mandatory recycled content requirements + proposed CO2 tax on virgin plastics. Roto industry must adapt supply chain to meet compliance.

Impact:
PCR capability becomes a market access requirement

While Others React, Matrix Prepares.

30+ years of exclusive focus on rotomoulding polymers.
We don't just supply powder — we engineer solutions.

SECTION 2 | THE MATRIX ADVANTAGE

What to Look For in a Roto Polymer Partner

Not all suppliers offer the same level of commitment, expertise, or security. These are the questions worth asking.

✓ Do they focus exclusively on rotomoulding?	Roto-only suppliers understand your process deeply. For a generalist, roto is just one of many markets — and rarely the priority.
✓ Do they own their grade IP — or distribute someone else's?	A supplier who owns the formula controls consistency and development. A distributor depends on a third party's decisions.
✓ Were the grades designed for roto — or diverted from another process?	True roto grades are optimised for sintering, UV stability, and impact. Commodity PE diverted to roto may process unpredictably.
✓ Do they grind locally in CEE — or ship from Western Europe?	Local grinding means shorter lead times, lower freight costs, and a supplier physically committed to this market.
✓ Can they offer C8 Octene grades from local CEE stock?	C8 Octene delivers superior ESCR and down-gauging potential. Availability in local stock — not just on order — is what matters in practice.
✓ Do they run their own Technical Centre with roto machines?	A real Technical Centre means real process testing — not just datasheets. It means support when something goes wrong on the shop floor.
✓ Can they source from multiple geographic regions?	When European plants shut down and shipping routes are disrupted, a supplier with EU + Americas + Asia sourcing has options. Others don't.
✓ Do they invest in the long-term future of the industry?	R&D, PhD partnerships, sustainability development — these signal long-term commitment, not just next quarter's volume.

Revolve® — Designed Exclusively for Roto

Matrix holds the intellectual property. Granulate is produced exclusively for us by leading European petrochemical partners.



Matrix-Owned IP

The Revolve® brand and formulations belong to Matrix. No other distributor or trader can supply this product as it does not exist elsewhere on the market.



Designed for Roto

Not a commodity PE diverted to roto. Every grade specification, including MFI, density, UV package, and comonomer, is optimised specifically for rotational moulding.



Exclusive Production Agreements

Granulate manufactured exclusively for Matrix by European petrochemical partners under dedicated production agreements. Supply secured, quality consistent.



Global Supply Diversity

Partnerships with North American petrochemical producers + PTT GC (Thailand) in the Matrix group provide strategic feedstock diversification beyond Europe.

The Revolve® Portfolio — A Grade for Every Challenge

C4 · C6 · C8 co-monomers | MFI 1.7 to 10.0 | General Purpose to Advanced Engineering

Grade	Co-monomer	MFI	Density	UV	Key Strength
Revolve® N-250	C4	7	0.935	UV8	Suitable for complex articles WRAS (drinking water certificate)
Revolve® N-255	C6	6	0,935	UV8	Suitable for outdoor use
Revolve® N-307	C6	3.5	0,939	UV12	WRAS (natural + Select colours) SPF, DIBT, TUV, EN13341
Revolve® M-750 DR	C6	4,5	0,938	UV12	Automotive diesel tank application Ad Blue tanks, TUV, WRAS
Revolve® N-341	C8 (Octane)	3,5	0,941	UV22+	high stiffness without sacrificing mouldability,superior ESCR, UV resistance,low-temperature impact resistance
Revolve® N-1010	C6 Hexene	10.0	0.935	UV8	High flow, fast sinter, wide window

★ Production in Koło (Poland) — EUR 20–35/t logistics advantage vs UK/Germany

★ C8 Octene grades (N-341, N-245, N-539) in stock in Poland — unique in CEE market

30 Years of Roto Expertise — At Your Service

We are not a general polymer distributor. Rotomoulding is all we do.



Technical Centre



Matrix runs its own rotomoulding Technical Centre in Liverpool, UK. Real machines. Real testing. Real data — not just datasheets.



Process Optimisation



Our application engineers can audit your cycle times, oven settings, and cooling profiles. Typical outcome: 10-15% cycle time reduction.



Grade Selection Support



We help you select the right grade for your application, ESCR, UV exposure, impact requirements, wall thickness. No generic recommendations.



Market Intelligence



Regular market updates, price forecasts, supply chain briefings. You are not alone in a volatile market; we share what we know.



Training & Seminars



Events like today's, technical seminars, live workshops, Rotopol participation. Knowledge transfer is part of our partnership model.



PhD Research Partnership



Matrix sponsors PhD research in sustainability in rotomoulding. We invest in the industry's future, not just next quarter's volume.

The Kolo Advantage: Local Grinding, European Speed



Poland-Based Grinding Facility

Matrix grinds and stocks powder in Kolo, central Poland. Our production plan is fully booked through mid-July — allocations secured early.



EUR 20–35/t Freight Saving

Logistics cost advantage over competitors shipping from Western Europe — a real, recurring saving on every order.



Consistent Local Stock

Secure supply backed by petrochemical partners in Europe, North America and Thailand. Multi-source = your production keeps running when others can't deliver.



Custom Particle Size

Grinding parameters optimised for roto. Not a generic powder from a commodity grinder.



CEE Market Commitment

Dedicated Regional Sales Manager based in Poland. Technical support in Polish. We are not a UK company 'also doing CEE'.

The Matrix Partnership Model

Seven commitments we make to every long-term customer — not as a promise, but as a standard.

01 Guaranteed supply allocation

Long-term customers receive prioritised stock commitments. Your production plan is our production plan.

02 Price transparency & forward visibility

We share market intelligence proactively — feedstock trends, price forecasts, supply signals — so you plan ahead, not react.

03 Dedicated technical support

A named contact. Real answers. Access to our Technical Centre with roto machines and full testing capability.

04 Grade continuity & batch consistency

Same spec, same performance, batch after batch. Critical for certified applications — WRAS, TÜV, EN13341.

05 Local CEE stock — always available

Powder ground and held in Koło, Poland. Not a promise from a distant warehouse — physical stock, accessible fast.

06 Multi-source supply security

EU petrochemical partners + North America + PTT GC Thailand. When one route is disrupted, we have alternatives ready.

07 Long-term investment in your growth

Grade development, sustainability solutions, market updates. We invest in your success — not just this quarter's order.

Sustainability: Not Just a Slogan

Your customers and regulators are watching. Matrix helps you answer the sustainability question.



High Flow = Lower Energy

Revolve® N-1010 MFI 10 sinters faster → shorter cycle → less gas per part.
Documented in our experimental study: up to 3 minutes saved per cycle.



PCR Materials in Roto

Matrix is pioneering post-consumer recycle (PCR) content in rotomoulding compounds. Plastics tax compliance support for UK & EU customers.



Evolve — CO2 Reduced Range

Matrix Evolve range: independently verified lower carbon footprint. Supporting your Scope 3 emissions reporting to end customers.



PhD Research Investment

Matrix sponsors active PhD research in sustainable rotomoulding at leading UK university. We lead the industry conversation, not follow it.



Down-gauging with C8

Revolve® C8 octene grades enable thinner walls with equal or better performance. Less material per part = lower cost + lower environmental impact.



Gas Dependency Risk

We can help specify materials requiring lower PIAT — reducing your gas consumption today. Preparation for future gas cost / carbon taxes.

Turning Disruption into Competitive Advantage

Your competitors face the same market. How you respond determines who survives — and who grows.

01 Secure Your Supply Now

While others scramble spot, you have a strategic allocation. First-mover advantage in a tight market is worth more than any price saving.

02 Adopt High Flow → Cut Costs

Switch to Revolve® N-1010: 2–3 minutes/cycle faster, lower gas, fewer rejects. Cost savings that compound every shift.

03 Upgrade to C8 Octene

Competitors still using C4 butene. C8 = thinner walls, same strength, less material per part. Price your product better and use less PE.

04 Build Sustainability Credentials

PCR content, Evolve range, CO2 documentation. Your end-customers are asking. Be ahead of the requirement, not behind it.

05 Expand Into Complex Geometry

High flow enables shapes competitors can't produce. Capture new applications, new markets, new margin.

06 Poach Vulnerable Competitors

Suppliers dependent on Iranian/ME spot material face disruption. Their customers need alternatives — now. Position yourself now.

The disruption is real. The opportunity is yours.

Partner with Matrix Polymers — the only roto-exclusive polymer specialist with 30+ years expertise, own IP, local CEE grinding, and global supply security.

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Key Takeaways

- Structural supply crisis — not cyclical
- European PE capacity shrinking
- Revolve® only available from Matrix
- Local CEE grinding at Kolo
- C8 Octene in stock in Poland
- Partnership > spot buying
- High flow = real cost savings