



MAVZER
— MINERAL —

PRODUCT & CORPORATE CATALOG

INDUSTRIAL MINERAL & POLYMER TECHNOLOGIES

Micronized Calcite (CaCO_3) • Filler & Additive Masterbatch • PE / PP / PS
Compounding



20+ YRS

INDUSTRY EXPERIENCE

1,500 TON/MO

PRODUCTION CAPACITY

4,000 M²

MODERN PLANT

100% NATIVE

MFG & EXPORT



www.mavzermineral.com
Istanbul • Tekirdag • Turkey

2026 EDITION

FOUNDER PROFILE & COMPANY HISTORY

FROM ON-SITE FIELD EXPERTISE TO AN INDUSTRIAL MANUFACTURING POWERHOUSE

About the Founder

Metin Mavzer, the founder of **MAVZER MİNERAL SANAYİ VE TİCARET A.Ş.**, was born in Izmir in 1973. Beginning his career in the natural stone and mining sector, he gained extensive hands-on expertise in marble quarries and calcium carbonate production plants, mastering micronized grinding systems, quality control, and industrial plant operations.

Achieving comprehensive technical mastery over processing machinery, he transformed his know-how and private equity into his own enterprise by launching his first manufacturing facility in 2010.

Vision & Corporate Values

• Production-Driven Technical Expertise

Over two decades of hands-on mining and mineral processing knowledge.

• Standard & High Quality Assurance

Strict laboratory-controlled micronized grinding and homogeneous dispersion.

• Reliable Global Supply Chain

On-time delivery, dedicated technical service, and uninterrupted raw material supply.

Milestones & Historical Development

2010

Inception Period (Izmir)

Manufacturing commenced in Izmir with an initial capacity of **50 tons/month**. Customer-centric quality standards enabled rapid establishment of a solid B2B client base.

2014

Istanbul Investment & Expansion (Umraniye)

To meet surging industrial demand, operations relocated to Istanbul Umraniye Industrial Zone. Capacity expanded to 100 tons, followed by major machine investments reaching **500 tons/month** in 2022.

2025

Industrial Scale Transition (Tekirdag Ergene OIZ)

Commissioned a modern **4,000 m² covered factory** in Tekirdag Ergene Organized Industrial Zone. High-technology extrusion and grinding lines elevated capacity to **1,500 tons/month**.

2026

Institutional Transformation (Joint Stock Co.)

Restructured into **MAVZER MİNERAL SANAYİ VE TİCARET A.Ş.** Established modern headquarters at Istanbul Basaksehir Nidapark Tower, centralizing commercial and export divisions.

MICRONIZED CALCITE (CaCO_3) & INDUSTRIAL USES

HIGH PURITY, EXCEPTIONAL WHITENESS, AND OPTIMIZED PARTICLE SIZE DISTRIBUTION

MAVZER MINERAL manufactures ultra-pure and chemically stable micronized Calcite (Calcium Carbonate - CaCO_3). Produced across varied micron curves and specialized surface treatments, our products serve as primary functional fillers across demanding industrial compounding processes.

Key Technical Advantages:

- High CaCO_3 purity (>98.5%)
- Superior whiteness index ($R_y > 96.5$)
- Narrow particle size distribution (Optimized D50 / D98)
- Ultra-low moisture content and minimal abrasiveness



Ultra-Pure Micronized Calcite (CaCO_3) Powder

Industrial Applications & Technical Benefits

INDUSTRY	FUNCTION & USAGE PURPOSE	TECHNICAL BENEFITS DELIVERED
• Cable & Wire	Serves as an essential functional filler in PVC and PE cable jacket compounds.	Enhances mechanical strength, dielectric resistance, surface finish, and optimizes formulation cost.
• Polymer & Plastics	Incorporated into thermoplastic compounding, masterbatches, and molding.	Improves dimensional stability, rigidity, impact resistance, and minimizes mold shrinkage.
• Agriculture	Applied as an effective soil conditioner and agricultural liming material.	Neutralizes acidic soil pH, supplies vital calcium nutrients, and boosts crop yield.
• Animal Feed	Used as a highly bioavailable calcium source in compound feed and premixes.	Supports skeletal development and maximizes eggshell breaking strength in poultry farming.
• Paper Industry	Utilized as a high-brightness filler and surface coating mineral in paper pulp.	Imparts superior opacity, brightness, ink absorption, and refined print definition.

PE & PP TECHNICAL COMPOUND SERIES

HIGH DISPERSION, SUPERIOR MELT FLOW INDEX, AND OPTIMIZED FILLER RATIOS

Compounding Technology

MAVZER MINERAL compounds are manufactured using high-torque twin-screw co-rotating extrusion systems. Delivering homogeneous dispersion of micronized CaCO_3 from 40% up to 80% within polymer matrices without compromising mechanical integrity.



■ MVZ PE Compound Series

Formulated with Polyethylene (HDPE/LLDPE/LDPE) carriers for blown film, blow molding, and injection applications.

MVZ 40 PE COMPOUND

40% Calcite Filled • Carrier: PE • High Elasticity & Blown Film

MVZ 50 PE COMPOUND

50% Calcite Filled • Carrier: PE • Standard Film & Sacks

MVZ 60 PE COMPOUND

60% Calcite Filled • Carrier: PE • Printed Film & Molding

MVZ 70 PE COMPOUND

70% Calcite Filled • Carrier: PE • High Strength & Blow Molding

MVZ 75 PE COMPOUND

75% Calcite Filled • Carrier: PE • Industrial Pipe & Molding

MVZ 80 PE COMPOUND

80% Ultra-High Filled PE Compound • Maximum Cost Optimization

■ MVZ PP Compound Series

Engineered with Polypropylene (PP Homo/Copo) carriers for woven bags, raffia, thermoforming, and injection molding.

MVZ 40 PP COMPOUND

40% Calcite Filled • Carrier: PP • Precision Injection & Thermoforming

MVZ 50 PP COMPOUND

50% Calcite Filled • Carrier: PP • Yarn & Woven Sacks

MVZ 60 PP COMPOUND

60% Calcite Filled • Carrier: PP • Crates, Pails & Furniture

MVZ 70 PP COMPOUND

70% Calcite Filled • Carrier: PP • Raffia & Industrial Parts

MVZ 75 PP COMPOUND

75% Calcite Filled • Carrier: PP • High Rigidity & Stability

MVZ 80 PP COMPOUND

80% Ultra-High Filled PP Compound • Advanced Formulation Savings

PS COMPOUNDS & FUNCTIONAL ADDITIVES

DESICCANT ANTIGAS, OPTICAL BRIGHTENERS, UV STABILIZERS, AND PROCESSING AIDS

MVZ Polystyrene (PS) Compound Series

Provides enhanced rigidity, heat resistance, and dimensional stability in PS sheet extrusion, disposable food packaging, thermoformed cups, and foam products.

MVZ 40 PS

40% CaCO₃ / PS

MVZ 50 PS

50% CaCO₃ / PS

MVZ 60 PS

60% CaCO₃ / PS

MVZ 70 PS

70% CaCO₃ / PS

MVZ 75 PS

75% CaCO₃ / PS

MVZ 80 PS

80% CaCO₃ / PS

MVZ Moisture & Gas Absorber (Antigas)

Chemically binds trapped moisture in recycled resins and filled polymer lines, eliminating porosity, bubbles, and surface imperfections.

MVZ ANTIGAS 40

40% Active Desiccant • General Purpose Compounding

MVZ ANTIGAS 50

50% Active Moisture Scavenger • High Humidity Lines

MVZ ANTIGAS 60

60% Ultra-High Potency Desiccant Masterbatch

Performance Additive Masterbatches

MVZ ADT OPTICAL (Optical Brightener)

Delivers brilliant blue-white radiance, high gloss, and corrects yellowing.

MVZ ADT UV (UV Stabilizer)

Protects polymer chains against solar degradation, embrittlement, and fading.

MVZ ADT ANTIBLOCK (Anti-Blocking)

Prevents film layer adhesion, optimizing slip and friction coefficient.

MVZ ADT FLAME RETARDANT

UL94 standard flame retardancy for technical plastics and pipe systems.

MVZ ADT PEWAX (Lubricant & Wax)

Superior dispersion aid, internal/external lubricant, and surface smoother.

MVZ COLOR MASTERBATCH SERIES

HIGH PIGMENT CONCENTRATION, EXCELLENT DISPERSION, AND UNLIMITED COLOR SOLUTIONS



MVZ CLR RED



MVZ CLR YELLOW



MVZ CLR BLUE



MVZ CLR GREEN

PRODUCT CODE	CARRIER POLYMER	LIGHT FASTNESS / HEAT RES.	APPLICATION AREA
■ MVZ CLR WHITE	PE / PP / PS	Fastness: 8 • Heat: 280°C	Blown Film, Blow Molding, Injection
■ MVZ CLR BLACK	PE / PP / PS	Fastness: 8 • Carbon: 40-50%	Cables, Pipes, Drip Irrigation, Film
■ MVZ CLR RED	PE / PP	Fastness: 7-8 • Heat: 260°C	Packaging, Caps, Injection Molding
■ MVZ CLR BLUE	PE / PP	Fastness: 8 • Heat: 280°C	Crates, Pipes, Industrial Containers
■ MVZ CLR YELLOW	PE / PP	Fastness: 7-8 • Heat: 260°C	Film, Carrier Bags, Consumer Goods
■ MVZ CLR GREEN	PE / PP	Fastness: 8 • Heat: 280°C	Greenhouse Film, Agricultural Pipes
■ MVZ CLR ORANGE	PE / PP	Fastness: 7 • Heat: 250°C	Safety Equipment, Caps & Closures
■ MVZ CLR BROWN	PE / PP	Fastness: 8 • Heat: 270°C	Furniture, Wood-Plastic Composites

Custom Color Matching Laboratory

Tailor-made color formulation, spectrophotometric matching, and sample sampling are completed within 48 hours based on customer RAL and Pantone requirements.

RAL & PANTONE COMPLIANT

OPERATIONAL CAPACITY & CUSTOM SOLUTIONS

ADVANCED MACHINERY PARK, 1,500 TONS/MONTH OUTPUT, AND ENGINEERING SUPPORT

Operational Infrastructure

- **Modern Plant:** Tekirdag Ergene OIZ (4,000 m² Covered Area)
- **Production Capacity:** 1,500 Tons / Month Output
- **HQ & Commercial:** Istanbul Basaksehir Nidapark Tower
- **Human Capital:** 40 Experienced Technical Specialists



Special Formulations & Tailor-Made Solutions

PRODUCT LINE	TECHNICAL SPECIFICATIONS & COMPOSITION	MANUFACTURING ADVANTAGES DELIVERED
• MVZ Pipe Compound	70% - 80% CaCO ₃ filled compound with high molecular weight HDPE carrier.	Prevents brittleness, enhances ring stiffness, and delivers smooth inner wall surfaces in PE and corrugated pipes.
• MVZ Film Grade	70% - 80% CaCO ₃ filled ultra-fine micronized series with LLDPE/LDPE carrier.	Provides exceptional elongation, dart drop impact resistance, and opacity in greenhouse films and shopping bags.
• MVZ Injection Grade	50% - 75% CaCO ₃ filled homopolymer and copolymer PP carrier series.	Shortens cooling cycle times, minimizes warpage, and reinforces dimensional stability in crates, pallets, and furniture.
• MVZ Recycle Helper	Specialized processing additive enriched with desiccant and coupling agents.	Eliminates gas/moisture bubbles in recycled polymer processing while maintaining structural mechanical integrity.

Our Core Competencies & Competitive Strengths

- Over 20 years of mining, calcite, and polymer industry experience
- State-of-the-art co-rotating twin-screw extruders and grinding lines
- Ultra-pure domestic calcite reserves and solid raw material stocks
- Strict batch-by-batch laboratory testing and quality verification
- Customized recipe development tailored to client production machinery
- Fast logistics and reliable global export infrastructure as an A.S. entity



MAVZER
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OUR FUTURE VISION

MAVZER MİNERAL SANAYİ VE TİCARET A.Ş. continues its capital investments decisively with the goal of continuously increasing production capacity, expanding international export markets, and being a reliable global brand with value-added mineral and polymer compound products.

HEADQUARTERS

Istanbul Office:

Kayabaşı Neighborhood, Kayabaşı Boulevard, Nidakule,
No: 45, Unit No: 136, Başakşehir / Istanbul, Turkey

FACTORY & PRODUCTION PLANT

Tekirdag Plant:

Ergene Organized Industrial Zone
Tekirdag / TURKEY



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"From Mine to Industry: Reliable Mineral and Polymer Solutions"