



Merit Plastik Provides Flexible Solutions

Merit Plastik

Your Solution Partner for Thermoplastic Compounds

Since 2012 we have produced thermoplastic elastomer (TPE, TPO, TPV, TPR) and PVC compounds to high quality standards. As an experienced manufacturer, we add value to your production processes and support your projects with reliable formulations.

Founded in 2012, our company offers customers worldwide consistent quality and a reliable supply network, with modern production lines and an annual capacity of 18,000 tonnes.

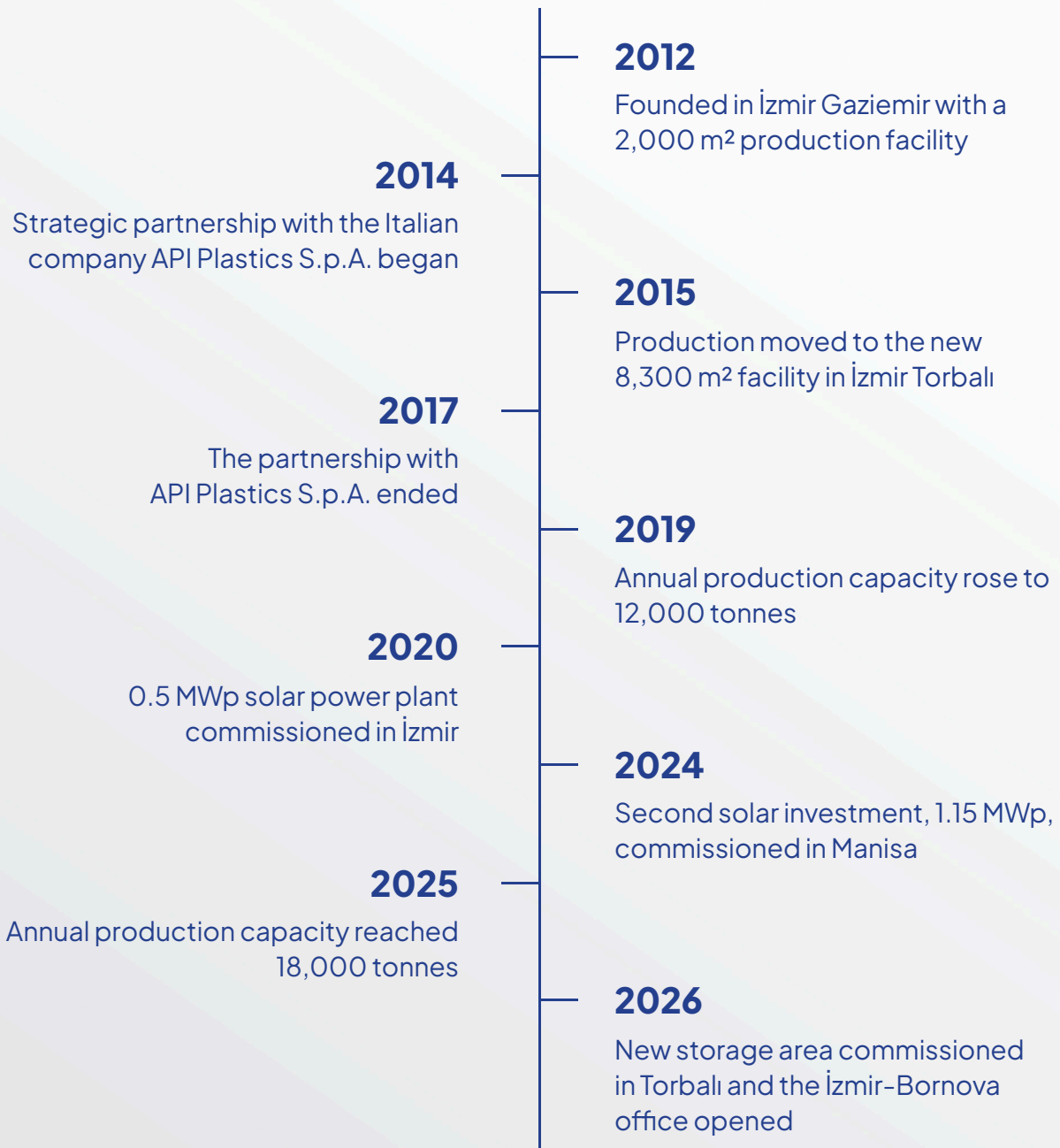
Drawing on our team's more than 30 years of industry experience and strong technical expertise, we quickly develop compound solutions that meet the specific requirements of your project.

Whether you are designing a new formulation or improving production efficiency, our expert team works in line with your goals at every step. Our aim is not only to supply raw materials but to be a reliable solution partner that adds value to your processes.



Our Timeline

From One Plant to 18,000 Tonnes a Year



Markets We Serve

We supply the polymer raw materials we produce in İzmir to the domestic market and to markets abroad.

🌐 From Türkiye to the world



● Production site ● Market region

Regions we serve · Positions are indicative.

EUROPE	CENTRAL ASIA	MIDDLE EAST	AFRICA	AMERICAS
Western, Central and Eastern Europe	Across Central Asia	Across the Middle East	North & South Africa	North & South America

Our portfolio serves automotive, construction, consumer goods, electrical & electronics and industrial manufacturing, with the flexibility, durability and processability each market demands.

Quality & Safety

**Consistent Quality.
Responsible Manufacturing.**



Quality Assurance

Our Quality Management System goes beyond compliance: every stage of production is managed through data-driven control, prevention and traceability.

- **Statistical Process Control:** Process data is monitored during production to keep the process stable and prevent deviations. Every production run is tracked against statistical limits.
- **Batch Traceability:** End-to-end tracking for every batch, from the raw material source to the finished product delivered to you.
- **Certificate of Analysis:** Every shipment is accompanied by a Certificate of Analysis confirming the material meets the agreed specifications.
- **Change Control:** We protect formulation stability with systematic validation and controlled change management. Critical raw material or process changes are applied only once the required approvals are complete and the relevant customer requirements are met.

Health, Safety & Environment

Safe for People, Responsible for the Planet.

- **Sustainable Operations:** We minimise our environmental footprint by optimising energy consumption and reducing waste in compounding. Backed by ISO 14001 certification.
- **Safety Culture:** We work to safety protocols aligned with ISO 45001, for a safe working environment for every employee.
- **Regulatory Stewardship:** Our facilities operate in line with local environmental protection regulations and international safety standards, and we keep our certification and compliance records up to date.

Our in-house laboratory and R&D team develop, test and refine compound formulations in line with your performance targets and regulatory requirements.

Our laboratory works alongside our plant and sits at the centre of our R&D and production processes. Here we evaluate how materials behave and adjust formulations during production. Every batch is checked against defined processing and performance criteria before it leaves the plant.



R&D and Laboratory Capabilities

R&D at the Core of Everything

We carry out our testing in line with ASTM and ISO methods, with the aim of consistent compound performance across different applications.

1. Physical & Rheological Analysis

- Hardness Measurement (Shore A & D)
- Density & Specific Gravity
- Melt Flow Index (MFI) Testing

2. Mechanical Performance Testing

- Tensile Strength & Elongation
- Tear Strength
- Compression Set
- Abrasion Resistance

3. Durability & Safety Checks

- Weathering & Ageing (UV) Resistance
- ESD & Electrical Property Measurement

4. Analytical & Aesthetic Evaluation

- Structural Analysis by FTIR Spectroscopy
- Colour & Gloss Control
- Visual Inspection

Our Products

A complete range of TPE, TPV, TPR, TPO and PVC compound families, each engineered for specific performance and processing requirements.

ELASMERIT® – TPE / TPV / TPR GRADE FAMILIES

Thermoplastic elastomer compounds combining rubber-like elasticity with thermoplastic processability. SEBS-, EPDM/PP- and SBS-based grades.

Base polymer: SEBS, EPDM/PP, SBS · **Hardness range:** 10 Shore A – 80 Shore D

Example applications: Seals and gaskets, consumer goods, shoe soles, building and industrial parts

ELASPRENE® – TPV GRADE FAMILIES

EPDM/PP-based dynamically crosslinked thermoplastic vulcanisates, offering high temperature resistance and low compression set.

Base polymer: EPDM/PP, dynamically crosslinked · **Hardness range:** 45 Shore A – 60 Shore D

Example applications: Automotive seals, under-the-hood components

FLEXMERIT® – TPO GRADE FAMILIES

Polyolefin-based elastomeric blends balancing stiffness, impact strength and flexibility.

Base polymer: Polyolefin-based elastomer blends · **Hardness range:** 60 Shore A – 65 Shore D

Example applications: Exterior automotive parts, roofing membranes, large thermoformed panels

PLASMERIT® – PVC-P / PVC-U GRADE FAMILIES

Customized PVC-P and PVC-U formulations across a wide hardness range, from flexible gaskets to rigid profiles.

Base polymer: PVC · **Hardness range:** 40 Shore A – Rigid

Example applications: Gaskets, weatherstrips, cable jacketing, window profiles, pipes and fittings

ELASMERIT® SERIES

Thermoplastic Elastomer Solutions

Elasmerit® TPE – SEBS–Based Thermoplastic Elastomers

Soft touch with high elasticity.

SEBS-based thermoplastic elastomers combining rubber-like elasticity with easy thermoplastic processing. Ideal where a premium finish, soft touch and good haptics matter.

Best For: Seals and gaskets, consumer goods, soft touch applications.

Key Characteristics:

- Hardness: 10 Shore A – 60 Shore D
- Soft touch and pleasant haptics
- Flexibility at low temperatures
- Easy colouring, glossy or matte surfaces

Elasmerit® TPV – EPDM/PP Thermoplastic Vulcanisates

General-purpose TPV for building and industrial parts.

Dynamically crosslinked EPDM/PP blends with low compression set and high elastic recovery, especially in hot environments. Compared with standard TPEs, they resist oils better and offer lower compression set.

Best For: Building and construction, industrial parts.

Key Characteristics:

- Hardness: 35 Shore A – 60 Shore D
- Low compression set and high elastic recovery
- Stable performance at elevated temperatures

Elasmerit® TPR – SBS–Based Thermoplastic Rubbers

Cost-effective flexibility for general use.

SBS-based thermoplastic rubbers offering high elasticity, resilience and abrasion resistance at a cost-effective price point. Good processability in both injection moulding and extrusion.

Best For: General purpose molding, shoe soles, shoe welt extrusion, cost-sensitive elastic parts, elastic parts that do not require UV resistance.

Key Characteristics:

- Hardness: 20 Shore A – 80 Shore D
- High elasticity, resilience and abrasion resistance
- Good processability in injection moulding and extrusion

ELASPRENE® & FLEXMERIT® SERIES

Thermoplastic Vulcanisate and Polyolefin Solutions

Elasprene® TPV – EPDM/PP Thermoplastic Vulcanisates

For automotive sealing at high service temperatures.

Dynamically crosslinked EPDM/PP blends with low compression set and thermal stability for demanding automotive applications. Compared with standard TPEs, they resist oils better at high service temperatures and offer lower compression set. Used in place of thermoset EPDM rubber-based products.

Best For: Automotive seals, under-the-hood components.

Key Characteristics:

- Hardness: 45 Shore A – 60 Shore D
- Low compression set in hot environments
- Thermal stability at high service temperatures

Flexmerit® TPO – Thermoplastic Polyolefins

Balanced durability for outdoor and structural applications.

Polyolefin-based elastomeric blends balancing stiffness, impact strength and flexibility. For large extruded or thermoformed parts where weight and weather resistance are critical.

Best For: Exterior automotive parts, roofing membranes, large thermoformed panels.

Key Characteristics:

- Hardness: 60 Shore A – 65 Shore D
- Weathering and UV stability options for outdoor use
- Low density, contributing to reduced part weight

Tailor Made Elasmerit® & Elasprene® Series

Compounds developed for applications that need performance beyond standard grades. We take on each project with the customer and develop the right solution for specific technical goals. Concept to first sample takes two to four weeks.

Data usage: Typical values for material selection; request grade datasheets for specifications.

PERFORMANCE AND MATERIAL CAPABILITIES

Some of these properties are available in our standard TPE products. Others can be added through custom formulations to suit the needs of your application.



Flame Retardancy

Halogen-free and halogenated flame-retardant systems. Depending on wall thickness, grades reach UL 94 V-0, V-1, V-2 and HB ratings under the UL 94 test method. Used in electrical, electronics, transportation and construction applications.



Oil Resistance

We offer oil-resistant PVC compounds for parts in contact with oil.



Surface and Texture Options

Low-friction, good-grip and scratch-resistant surface options for your design and functional requirements. Laser-markable grades are also available for part tracking and logos.



Lightweight and Foamed Structures

Compounds produced with dedicated foaming technologies, for weight reduction, thermal insulation or distinctive surface textures.



Electrical Properties

Dedicated grades with adjustable surface conductivity for the electrical and electronics industry and for electronics packaging: anti-static, conductive and electrostatic discharge (ESD) protected.



Production and Processing

Products optimised for different production methods (extrusion, co-extrusion, injection moulding, blow moulding, two-component (2K) moulding and calendaring), developed for short cycle times and dimensional stability.



Outdoor, UV and Ozone Resistance

UV- and ozone-resistant grades for long-term outdoor use, formulated with protective additives against yellowing, colour fading and surface degradation.



High and Low Temperature Resistance

Formulations that stay flexible at low temperatures and keep their mechanical properties at high temperatures. Used in automotive seals, HVAC components and façade profiles.



Hygiene and Safety

Grades with antibacterial and antimicrobial additives for food-contact products and consumer hygiene applications. Food-contact grades are produced to EU 10/2011 and FDA requirements.



Adhesion and Bonding

Grades for direct over-moulding onto rigid plastics (PP, PC, ABS, PA and others).



Regulatory and Standards Compliance

REACH and RoHS compliant formulations, with grades that meet food-contact (FDA, EU 10/2011) and automotive OEM specifications.



Aesthetics and Appearance

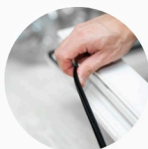
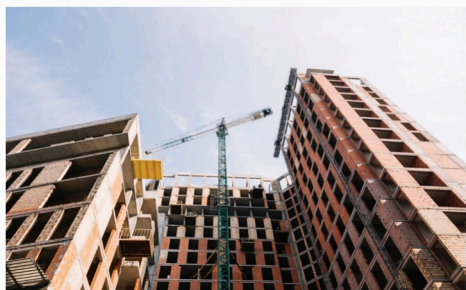
Highly transparent, glossy or matt, pearlescent and metallic visual effects. Laser-markable formulations for parts that need traceability.

Data usage: Typical values for material selection; request grade datasheets for specifications.

TPE, TPV, TPR & TPO APPLICATIONS

Elasmerit® · Elasprene® · Flexmerit®

Building & Construction



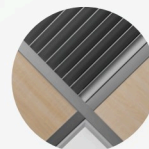
Window & Door Gaskets



Roof Membranes



Sealing Profiles



Flooring Profiles & Skirting

Automotive



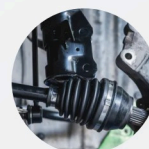
Soft-Touch Interior Parts



Sealing Profiles



Under-Hood Components



CV Boots

Appliances & White Goods



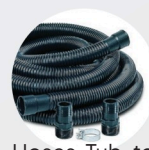
Soft-Touch Buttons



Gaskets & Seals



Anti-Vibration Components

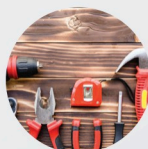


Hoses, Tub-to-Pump Connector Boots, Pump Boots

Consumer Goods



Handles & Grips



Building & DIY



Toys

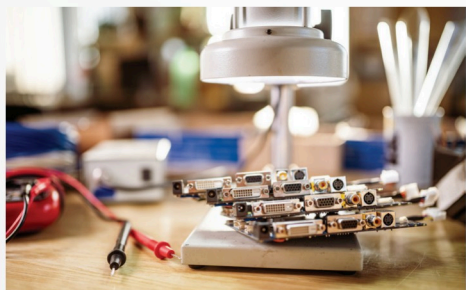


Kitchen Utensils

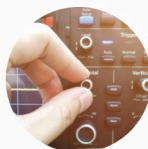
TPE, TPV, TPR & TPO APPLICATIONS

Elasmerit® · Elasprene® · Flexmerit®

Electric & Electronics



Conductive Panels



Soft-Touch Buttons



Connector Seals

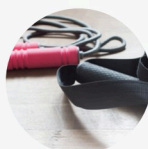


Wearable Device
Straps and Bands

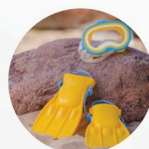
Sports & Leisure



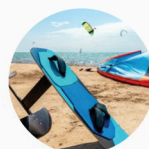
Bicycle Grips



Fitness Equipment
Grips



Diving Mask &
Snorkel Parts



Water Sport
Equipment

Footwear



Shoe Soles



Outsoles &
Midsoles

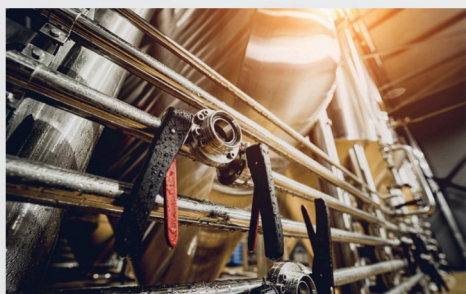


Boot Components



Sandals & Slippers

Industrial & Machinery



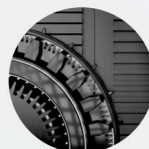
Seals & Gaskets



Handles & Grips



Vibration Dampers



Protective Caps &
Covers

PLASMERIT® SERIES

Flexible and Rigid PVC Compounds

Plasmerit® PVC-P – Flexible PVC Compounds

Tailored flexibility with versatile formulation options.

Plasticised PVC compounds for a wide range of flexible and semi-rigid applications. Hardness, flexibility and transparency are adjusted precisely to your regulatory and performance needs.

Best For: Soft gaskets, weatherstrips, flexible tubing, cable jacketing.

Key Characteristics:

- Hardness: 40 Shore A – 45 Shore D
- From soft gasket grades to semi-rigid profiles
- Suited to extrusion, co-extrusion, post co-extrusion and injection moulding
- Formulations for low-temperature flexibility, improved compression set, high transparency and low odour

Plasmerit® PVC-U – Rigid PVC Compounds

Structural strength and high dimensional stability.

Unplasticised, rigid PVC compounds for applications needing high stiffness, durability and dimensional stability. Impact-modified versions available.

Best For: Window profiles, pipes and fittings, technical housings, construction components.

Key Characteristics:

- Hardness: Rigid
- Rigid, high-modulus compounds for structural integrity
- Dimensional stability and impact performance (adjustable modification levels)
- Good surface quality and colourability

Tailor Made Plasmerit® Series

Tailor Made Plasmerit grades are custom compounds for applications that need performance beyond standard flexible or rigid PVC compounds. Formulations are tailored by adjusting the plasticiser system, stabilisers, fillers and modifiers.

Data usage: Typical values for material selection; request grade datasheets for specifications.

PLASMERIT® PROPERTIES

Formulation Capabilities



Performance & Durability

- Flame-retardant grades rated under the UL 94 test method
- UV-resistant grades for long-term outdoor use
- Low-temperature flexibility for seals in freezing conditions
- High-temperature cable sheathing and insulation grades
- Grades with antibacterial and antimicrobial additives



Oil Resistance

- Oil-resistant PVC compounds for parts in contact with oil
- Oil-resistant cable sheathing and insulation grades



Mechanical & Processing Performance

- High-impact rigid grades for low-temperature use
- High-flow grades for thin-wall injection moulding
- Formulations for fast cycle times and complex geometries

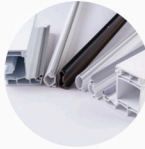


Aesthetics & Design

- Broad colour range with matte or glossy surface finish
- Crystal-clear grades
- “Dry-touch” and frosted crystal finishes

PLASMERIT® APPLICATIONS

Building & Construction



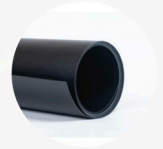
Window & Door Gaskets



Technical Profiles

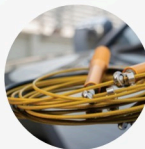


Pipe & Fitting Seals

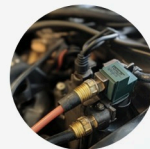


Geomembranes

Automotive



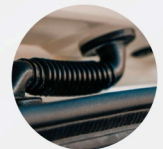
High-Temperature Cables



Oil-Resistant Cables

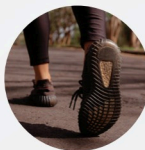


Protective Covers



Bellows

Consumer Goods



Shoe Soles



Slippers

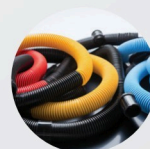
Industrial & Machinery



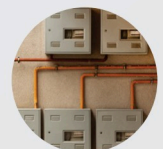
Sound-Deadening Panels



Refrigerator Gaskets



Hoses



Electrical Covers

Service, Packaging & Logistics

Technical Support and Supply Services

From material selection and samples to packaging and delivery, our services support your production.

Packaging Options

Packaging options that protect the product and fit your material handling system.

- **Standard Bags:** 20 kg and 25 kg laminated PP bags for standard orders.
- **Bulk Packaging:** Big Bags (FIBC) and Bulk Boxes (Gaylord, Octabin) for high-volume processing.
- **Storage & Shelf Life:** Store our products in their unopened original packaging, away from direct sunlight and moisture. Storage and handling instructions are supplied with every shipment.

Order and Delivery Planning

We plan your shipments around your production schedule, aiming to have material at your plant when you need it.

- **Minimum Order Quantity:** No fixed minimum order quantity. From trial runs to series production, we set batch size around your needs and your production schedule.
- **Lead Times:** For standard grades, lead time is 1–2 weeks for samples and series delivery. The date is confirmed in writing at order acknowledgement.
- **Dedicated Support:** A single point of contact for all your order management, logistics coordination, and technical queries.

Technical Support

Tailor-Made Solutions, Dedicated Support



Material Selection & Development Support

Before production starts, we work with our customers to choose the right material for the application. Our team supports you at every stage of development.

- **Material Selection Guidance:** The most suitable TPE, TPV, TPO or PVC compound for your performance, cost and processing efficiency requirements.
- **Color Matching:** We develop and match colours to the aesthetic standards of your brand and product range.
- **Formulation Tuning:** We refine formulations with you to solve production issues and improve material behaviour.
- **Custom Formulation Development:** We develop custom compounds to your application's mechanical, aesthetic and regulatory requirements.
- **Sample & Trial Support:** We provide trial samples so you can verify performance, fine-tune specifications and speed up development, moving quickly from concept to choosing the material you will use.



Technical Service & Process Support

Our technical team helps with process settings and troubleshooting so our compounds run efficiently on your line, and supports you at your plant when needed.

Sustainability at Merit Plastik

Clean Energy, Responsible Manufacturing

We reduce our environmental footprint through renewable energy investments and responsible production.

Our solar plant in Manisa supplies up to 70% of our energy needs. The roof of our production facility is also covered with solar panels, generating clean energy on site and reducing our carbon footprint.

0.5 MWp

Solar plant, İzmir
(2020)

1.15 MWp

Solar plant, Manisa
(2024)

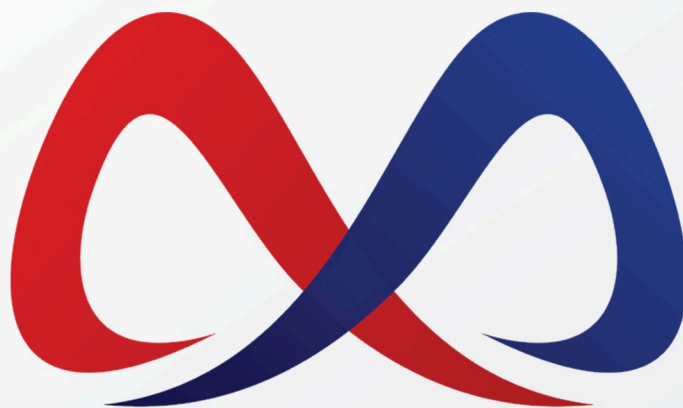
1.65 MWp

Total solar capacity

~70%

Energy from
Renewables

Your Solution Partner for Thermoplastic Compounds



Our Vision

To be a lasting, trusted reference brand that shapes the sector's changing material needs through our expertise in polymer engineering.

Our Mission

To produce consistent polymer solutions tailored to the specific needs of industry, and to offer our customers long-term partnership through transparent, traceable and reliable processes.

merit plastik



Contact

Headquarters & Production

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