



Your Trusted Partner in  
Innovative Polymer Solutions



## **About Us**

**Mirai Global Polymers Pvt. Ltd.** is a performance-driven polymer compounding company delivering advanced material solutions to meet the evolving needs of modern industries. With over **15 years of experience in the polymer industry**, we bring deep technical expertise and process excellence to develop polymer compounds that ensure consistency, reliability, and application-focused performance.

Our **in-house Research & Development (R&D) capabilities** enable us to continuously innovate, customize formulations, and rapidly respond to changing industry requirements with precision and efficiency.

At Mirai Global Polymers, quality is embedded at every stage of our process. Through continuous innovation, responsible manufacturing practices, and a strong customer partnership approach, we strive to deliver future-ready polymer solutions that create long-term value across industries.

Today, we proudly support sectors such as **automotive, electrical & electronics, healthcare, and household products**, touching everyday lives through the materials we create. We are a growth-oriented, diversified, and forward-thinking organization committed to innovation that respects both people and the planet.

Built on a sustainable foundation, we believe true progress comes from balancing technology with responsibility. Through strong partnerships, global sourcing, and an unwavering focus on customer satisfaction, we strive not just to supply polymers—but to build trust, enable growth, and shape a better future together



## **Our Manufacturing Facilities**



Mirai Global Polymers Pvt. Ltd. has a well-organized manufacturing facility spread over 20,000 sq. ft. for polymer compounding. Our plant is equipped with a twinscrew extruder, enabling us to produce high-quality and uniform polymer compounds.

We also have a dedicated in-house quality testing laboratory, equipped with advanced instruments to ensure that all products meet stringent quality standards and customer specifications.

Our strength also lies in our highly skilled and experienced workforce, which plays a crucial role in maintaining quality and operational excellence.

In addition, our 1,800 sq. ft. office area supports our engineering, quality, and administrative teams. Our facility is designed to ensure smooth operations, consistent quality, and timely delivery, while adhering to safe and responsible manufacturing practices.

# Our Quality and R&D Testing Facilities



## Melt Flow Index Machine:

### Purpose:

- Flow behavior of polymer
- Process consistency
- Injection & extrusion suitability

### Function:

- Ensuring Flow Consistency



## Universal Testing Machine:

### Purpose:

- Tensile strength analysis
- Elongation & yield testing
- Quality verification of materials

### Function:

- Ensuring tensile & Structural Strength



## Izod / Charpy Impact Testing Machine:

### Purpose:

- To measure impact strength of plastic
- To evaluate material toughness and durability

### Function

- Determines resistance of material to sudden shock or impact



## Hydrostatic Density Tester:

### Purpose:

- To measure the density of polymer
- To verify material composition

### Function:

- Ensuring consistency & quality



## Colour Spectrophotometer:

### Purpose:

- To check color accuracy
- To ensure color consistency

### Function:

- Measures and compares color values with standard samples



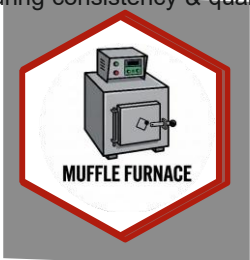
## Moisture Analyzer:

### Purpose:

- Measuring moisture content
- Preventing processing defects
- Ensuring material quality

### Function:

- Ensuring Proper Dryness of Polymer



## Ash Content Tester :

### Purpose:

- To determine ash content in polymer
- To evaluate filler and inorganic content

### Function:

- Burns material at high temperature to measure residue (ash %)



## Notch Cutter:

### Purpose:

- To prepare standard notched test specimens for impact testing
- To ensure accurate and repeatable test results

### Function:

- Cuts precise V or U notches on plastic samples as per testing standards



## Moulding Machine:

### Purpose:

- To prepare standard dumbbell specimens for tensile testing
- To produce notched specimens for impact testing

### Function:

- Forms standard polymer test specimen



## Products we Offer

### Poly Carbonate

- PC + ABS
- PC+PBT
- PC FR

### Polyamide

- Nylon (PA 6)
- Nylon (PA 6,6)
- Nylon(PA6/6,6
- Glass Fiber
- GF10%-50%)

### ABS

- High Impact
- General Purpose
- Heat Retardant
- Flame Resistant
- Glass-Filled

### PBT

- 
- General Purpose
- Glass Filled
- Flame Retardant
- Impact Modified
- PBT + PC

### SAN

- 
- Glass Filled
- Flame Retardant

### Polypropylene

- 
- PP Talc-Filled
- PP Glass-Filled
- PP FR
- UV-Stabilized
- PP

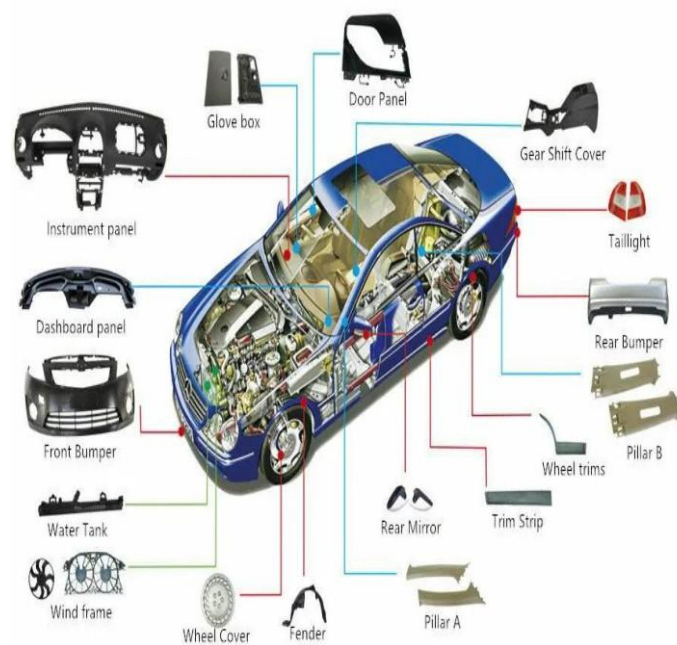
**Tailor-Made  
Products**

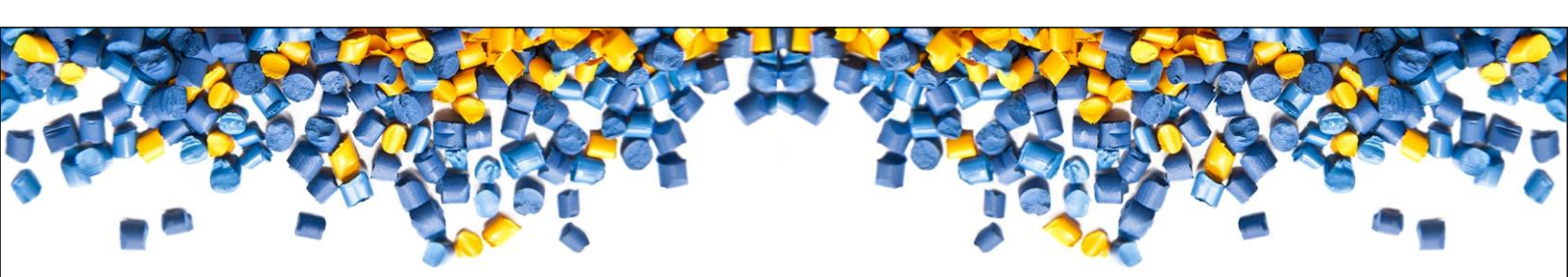
**Customized  
Colour  
Solutions**

**Customized  
Engineering  
Compounds**

# Material Applications Across Sectors

## Automotive





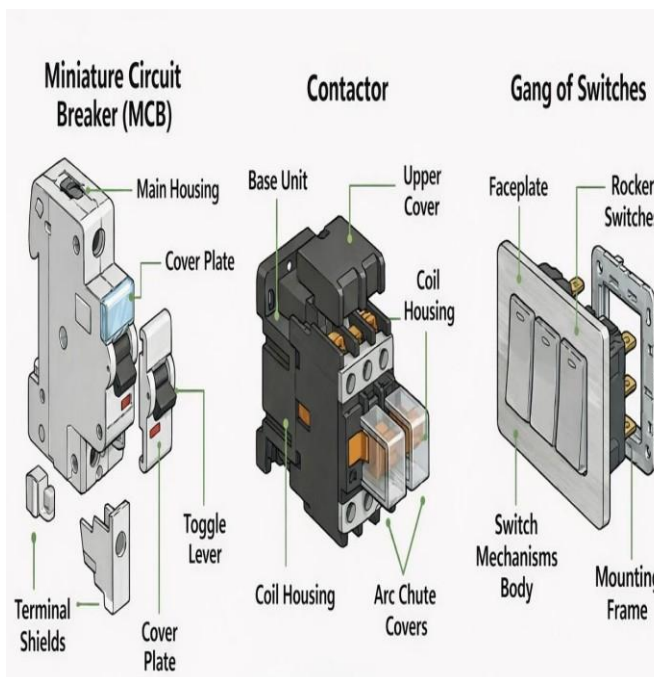
## Electronics & Home Appliances



## Medical



## Electrical



## Furniture





# Thank You !

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