

SINCE 1974

Rapid Polymers
MASTER BATCHES

MASTERBATCHES





R&D / ANALYTICAL RESOURCES

Rapid Analysis Wing helps you find solutions to improve production and product quality. We test under real world conditions to deliver a customer-focused approach. Rapid's Research and Development centre offers complete testing facilities with process lab, physical testing lab and an analytical lab.

Process Labs	Physical Testing Labs	Analytical Labs
Twin Screw Extruders	Carbon Black Content Tester	Differential Scanning Calorimeter
Farrel Continuous Mixers	Muffle Furnace	Thermogravimetric Analyser
Xenon Arc Weatherometer	Hot Air Oven	Fourier Transform Infrared Spectrometer
QUV Weatherometer	Transmittance Meter	X-Ray Fluorescence
Monolayer Blown Film Lines	Gloss Meter	Particle Size Analyser
Injection Molding	Melt Flow Index Tester	Salt Spray Chamber
High Speed Mixers	Pigment Muller	Spectrophotometer





ADDITIVE & PROCESS AID MASTERBATCHES

Rapid Polymers offer various Additive & Process Aid Masterbatches to increase productivity and enhance the product quality.

These specifically customized masterbatches includes:

Antiblocks	Light Diffusers	Anti-Microbial
Antifogs	Slip	Odour Absorber
Antioxidants	UV Light Stabilizers	Mould Release agent
Antistats	Desiccant Concentrates	Processing Aid
Antiscratch	Oxo Bio Degradable	Purge Additive
Flame Retardants	Rodent Repellent	Shutdown Compound

Some grades of our Additive & Process Aid masterbatches are:

Additive/Process Aids	Grade	About
Antiblock	PEMWA007	Antiblocks act as a physical separator between two layers.
Antioxidant	PEMWA016	Anti-oxidants prevent thermal degradation
Antistatic	PEMWA004	Antistatics prevent static charge accumulation on the surface
Slip	PEMWA005	Slip masterbatches reduce surface friction
UV Light Stabilizer	PEMWA001	UV stabilizers absorb the UV radiation & increase life span
Polymer Processing Aid	PEMWA020	Polymer Processing Aids are used to improve melt processability.





COLOUR & EFFECT MASTERBATCHES

Rapid Polymers have cost effective solutions to enhance product's visual appearance, functionality and performance depending on the nature of requirement. Rapid color masterbatches are developed from high quality pigments which provides the product excellent dispersion and quality. Our colour masterbatches are used for different applications which comply with required regulatory compliances.

We also offer Colour Masterbatches for:

RAL & Pantone Shade Card Equivalents

Applications where MB needs to comply with EN 71-3, REACH, FDA, EU and other relevant compliances

Low Warpage Applications

Transparent, Pearlescent, Metallic Applications

Fluorescent Applications

Glow in Dark and Optical Brightners

Our colour and effect masterbatches are available in various speciality base carriers such as:

Polypropylene (PP)

Thermoplastic Polyurethane (TPU)

General Purpose Polystyrene (GPPS)

Ethylene Vinyl Acetate (EVA)

Acrylonitrile Butadiene Styrene (ABS)

Polyamides (Nylon)

Styrene Acrylonitrile (SAN)

Polyacetals (POM)

Polycarbonate (PC)

Polyethylene Terephthalate (PET)



WHITE MASTERBATCHES

Rapid Polymers offer a wide range of white masterbatches with a concentration varying from 20% to 70% Titanium Dioxide based on PE, PP, PS, PA, ABS & Polyester resins. Our white masterbatches disperse uniformly throughout the final product, providing them uniform appearance and opacity.

Our masterbatches are used successfully in following processes:

Monolayer Extrusion	Filament Extrusion	Injection Moulding
Multilayer Extrusion	Rotational Moulding	Blow Moulding

Some of our grades of white masterbatches are:

Product Name	Product Code	TiO ₂ Content	Carrier Resin	Injection Moulding	Blow Moulding	Extrusion
White	PEM-WQ009	20 %	PE	•		
White	PEM-WQ001	30 %	PE	•		
White	PEM-WQ007	45 %	PE	•	•	•
White	PEM-WQ006	50 %	PE	•	•	•
White	PEM-WQ005	60 %	PE	•	•	•
White	PEM-WQ004	70 %	PE	•	•	•
White	PEM-WQ010	70 %	PE	•	•	•
White	PCM-WQ001	30 %	PC	•		•
White	PSM-WQ002	20 %	PS	•		
White	PSM-WQ001	70 %	PS	•		•
White	PPM-WQ001	60 %	PP	•	•	•



BLACK MASTERBATCHES

Rapid Polymers incorporates one of the best in-class technologies to produce black masterbatches with highest levels of dispersion and carbon black loading levels. From basic injection moulding to fine film applications we offer an extensive range of masterbatches.

Features of our Black Masterbatches:

High Jetness	FDA & REACH Compliant Carbon	Consistent Quality
High Gloss	Low Filter Pressure Value	'P-type' Carbon

Some of our grades of Black Masterbatches are:

Product Code	Carbon Content	Career Resin	Filler	Category	Injection Moulding	Blow Moulding	Extrusion
PEM-NQ008	20%	PE	Yes	Economic	•		
PEM-NQ007	30%	PE	Yes	Economic	•		•
PEM-NQ012	30%	PE	No	Premium			•
PEM-NQ006	30%	PE	No	Premium	•	•	•
PEM-NQ013	40%	PE	Yes	Economic	•		
PEM-NQ009	40%	PE	No	Economic	•	•	•
PEM-NQ003	40%	PE	No	Premium (FDA)		•	•
PEM-NQ004	40%	PE	No	Premium (p-type)	•		•
PEM-NQ011	50%	PE	No	Economic	•	•	•
PEM-NQ002	50%	PE	No	Premium		•	•
PPM-NQ001	40%	PP	No	Premium			•
PSM-NQ001	40%	PS	No	Premium	•		•
PUM-NQ001	40%	Universal	No	Universal	•	•	•



ABOUT US

Rapid Engineering Co. Pvt. Ltd. started operations in **1974** and primarily produces thermoplastic and thermosetting powder coatings. The company has **two plants located in Sahibabad, Uttar Pradesh and Noida, Uttar Pradesh, India.**

In addition, the company has warehouses cum sales offices in **New Delhi, Mumbai, Pune & Bangalore.** The company is exporting its products to 35+ countries worldwide. Rapid has been awarded the **'Recognized One Star Export House'** certificate by the Government of India in recognition of its exports track record. Since 2001 the company is ISO certified and is currently compliant with **ISO 9001: 2015 certification.**

In 2019, Rapid Polymers (A Division of Rapid Engineering Co. Pvt. Ltd.) was formed to manufacture **plastic masterbatches and cryogenically pulverised plastic powders.** With a fully equipped laboratory and a range of small, medium and high capacity twin screw extruders / twin rotor continuous mixers, Rapid Polymers plans to serve the masterbatch industry with consistently high quality polymers. The combination of **45 years of experience in the plastics industry** and an excellent infrastructure gives Rapid Polymers the ability to produce products for very demanding and challenging applications.



APPLICATIONS

We are producing masterbatches for different processes such as blow moulding, injection moulding, extrusion, thermoforming, raffia, etc.

Various Sectors for our product includes:

Packaging	Building & Constructions	Medical Equipments
Agricultural	Electronics & Electricals	Toys
Automotive	Fibre & Tapes	Ropes/Mono Filaments
Household Items	Non - Woven	Stationary Items



Rapid Polymers MASTER BATCHES

(A Unit of Rapid Engineering Co. Pvt. Ltd.)

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