

# PLASTI WIZARD

No Tricks... Only 'Innovations'

# BASE to...

its been almost five decades, and we have been focusing on patch-breaking innovations whether it's engineering, electrical or automobile products and in the field of construction (material) design. Later in **1985**, we stepped into the plastic industry, specifically into producing masterbatches as Sagar Polychem. Initially, we were into granules trading, used to dealing with forensic molding industries, and our work used to be application-driven, which comprised cement bags, sugar bags, etc. We firmly believe that a tree can't be prolific unless it's deeply rooted and that's how the roots **PLASTIWIZARD** are intensely embedded.

## ADVANTAGE PLASTIWIZARD

- Excellent Dispersion And Higher Pigment Loading Esults In Cost Saving Due To Lower Addition Levels
- Consistenct, High Quality Colours
- Multiple Production Lines With Twin Screw
- Extruders
- Customer Focused R & D
- Customised Solution
- Custom-made Batch Sizes
- Prompt After-sales Service And Technical Support
- Prompt Delivery
- Conductive To Cleaner And Safer Environment

### **EXPECTATION** to...

Before the appearance in PRECISION, DECISION shouldn't be made Gradually. it became the expectation as even in color masterbatches, precision was rare. Carrying years of knowledge in the field and with advanced techniques. We could crack the most precise color masterbatches. And we could enforce the same in the other categories too.

# **BLOOM**

Masterbatches are all about adding a particular value to the plastic. As far as the masterbatches are concerned, the field used to be more color specific. But we could emerge.



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# PLASTI WIZARD MASTERBATCH RANGE



- High richness of color with top quality finish in final product
- Uniform homogenisation provides complete and uniform dispersion
- Unmatched colour consistency in every match
- Capability to produce customised formulations for specific needs
- Extremely cost efficient masterbatches



- Uses ultra fine carbon black and pigment that gives the required black grade
- Standardised and optimised parameters for structure, particle size, ease of dispersion, color strength, UV stability carbon purity level. ability to impart gloss, etc.



 PLASTIWIZARD offers one of the finest quality white masterbatches with high opacity, high whiteness and uniform granule size. The are specially manufactured using rutile titanium-di-oxide ensuring uniform dispersion that also complimenting the final application.

The Quality Assrurance - Mixing & Consistency



- Anti- Slip Masterbatch
- Conductive Compounds
- UV Stabilizers Masterbatch
- Optical Brighteners
- Dessicants (Moisture Absorption)
- Flame Retardants Masterbatch
- Anti-microbial Masterbatch
- Nucleating/clarifier Additives
- Anti-statics Masterbatch
- Anti-block Masterbatch
- Ppa (polymer Processing Aids)
- Anti Oxident Masterbatch
- Bio Digradeble Masterbatch
- Customised Additive
  Masterbatches Are Also Available

#### Raw Materials Tested

- Polymers
- Pigments
- Additives
- Dispersing Agents
- Functional Fillers

#### **Finished Product Tested**

- White Masterbatches
- Colour Masterbatches
- Black Masterbatches
- Additives Masterbatches
- Speciality Masterbatches

# Process Flow Chart

#### **Type of Tests**

- MF
- Moisture Content
- Fish eye/Contamination
- Colour Matching
- Odour
- Colour Strength
- Colour Tone/Clearity
- Heat & Light Fastness
- Blidding Characteristics
- Whitness/yellow, Jetness etc
- Melting Point

#### Type of Tests

- Ash/Carbon Content
  Ash/Carbon Content
- Moisture Content
- Dispersion
- IV
- Contamination, Fines, Shapes
- Opacity, Whiteness Index
- Migration
- Bulk Density
- Filtration Test
- Number of Granules per gm

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# **APPLICATIONS**

PLASTIWIZARD masterbatches and Additive are used for various applications in the polymer industry.

- Roto Moulding / Blow Moulding / Injection Moulding
- Sheet Extrusions / Pipe Extrusions
- Mono-Layer / Multilayer Films
- Cast Films
- Non-Woven Industries
- BOPP

- Woven Sacks
- Lamination
- Extrusion Coatings
- Cable Coating Extrusions
- Engineering Plastic Industries
- Multi-Filament spinning extrusion of PP, PA, PET/Non-woven fabric extrusions.



# SAGAR POLYCHEM

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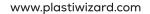
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