

**polymixx**



by



A Strategic Partnership between Prayag Polytech, India & Polydime International in Sri Lanka

**POLYDIME** has been associated with the plastics industry since 1998 producing Polythene in roll, bag and pouch form, Alkathene and drip irrigation pipes, multilayer lamination films and pouches. We take pride in being one of the sought after names in the plastics packaging industry in Sri Lanka & Internationally.



**WHY POLYMIXX ?**



- State-of-the-art international quality products
- Complete consistency
- Cost effectiveness
- Customer focused research and development
- Tailor-made solutions
- Custom-made lot sizes and colors
- Prompt after-sales service and technical support
- Environment-friendly approach
- Wide Range of applications
- Available Ex-stock

**APPLICATIONS**

- Roto Moulding / Blow Moulding / Injection Moulding
- Sheet Extrusion / Pipe Extrusions
- Mono-layer / Multilayer Films
- Cast Films, BOPP
- Woven Sacks
- Lamination
- Extrusion Coatings
- Cable Coating Extrusions
- Multi-filament spinning, extrusion of PP/PA, PET/Non-woven fabric extrusions.

**POLYDIME PLASTICS INDUSTRIES (PVT) LTD.**

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## Product Range



### COLOUR MASTERBATCHES

- Provides high quality finish, richness of colour and enhanced sales appeal to the final product
- Complete and uniform dispersion during processing, due to excellent homogenization of its own pigments
- Provide ease of handling, weighing, dilution and distribution, flexibility of colour change, increased production rates & perfect colour matching
- Customized formulations with built-in compatibility, with respective polymers.
- Extremely cost effective
- Excellent color consistency



### BLACK MASTERBATCHES

- Based on ultra fine carbon black, pigments that give enhanced black color
- Optimized critical parameters like structure, particle size, ease of dispersion, color strength, UV stability, carbon purity level, ability to impart gloss.etc



### WHITE MASTERBATCHES

- Based on rutile titanium - di-oxide
- Specially designed and optimized various grade of white masterbatches, understanding the critical parameters of the final usage



## Additives

### OXO BIODEGRABLE

- A special blend of polymers that assist in degradation of the polymer matrixes when a plastic product is left in the environment. A perfect solution for Plastic Pollution issue.

### IMPACT MODIFIER

- A special ingredient that makes the bonds between Polymer and other products such as Filler and Recycle material stronger and user friendly.

### LIGHT DIFFUSION

- Includes supreme transmission, diffusion and brilliancy of bright colours when added in film and moulding applications. The material has excellent formability and can meet the technical and design requirements of lighting engineers, manufacturers, architects and designers.

### ANTI MICROBIAL

- Contains organic micro particles which oppose the continuity of microbes that extend infection and diseases which have to be controlled.

### RODENT AND TERMITE REPELLANT

- Specially designed for applications that require pest control.

### FRAGRANCE

- A new technology that is able to give film and moulding a fragrance once extruded under high temperature.

### DESSICANT

- Removes excess moisture when there is a requirement for non-tolerability of moisture in the production process.

### ULTRA VIOLET

- A specially formulated ingredient blend for high heat exposure applications.

### ANTI-FOG

- Used to prevent formation of water droplets on and inside of the plastic films which are formed because of condensation.

### GREENHOUSE

- Includes the product with a lifetime of up to 5 seasons, containing special combinations of High molecular weight Hindered Amine Light Stabilizer and UV absorber that protect them from the harmful effect of UV light and heat for very long periods.

### FLAME RETARDENT

- A basic element of product safety for reducing fire hazards.

