

## Fiber & Textile



### PP & PET Fiber:

- PP Mineral Modifier: Improves stiffness and dimensional stability
- PP & PET Color MB: Various color shades
- Brightener MB: Whitening and Brightening



### Non-Woven:

- Mineral Modifier: For PP Spun Bond
- Color MB: Various color shades, Eco-grades



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## Bottle, Barrel & Tank



### Blow Molding:

- Impact Modifier: Enhances impact strength
- White MB: Strong hiding power, Eco-grade
- Silver, Gold and other Color MB: Various color shades
- Light Stabilizer MB: UV Absorber & HALS combination
- Filler MB: Improves stiffness, Increases productivity, Cost down



### Roto Molding:

- White MB: Strong hiding power, Eco-grade
- Black MB: High tint, Eco-grade
- Anti-Static MB: Reduces dust collection
- Anti-Bacterial MB: Reduces bacteria growth
- Reinforcing MB: Improves properties and process
- Filler MB: Improves properties and process, Cost down



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#### Cable:

- Flame Retardant MB: Halogen free, Low smoke
- Filler Compound: PE based, Flexible
- PVC/NBR Compound: Chemical Resistance



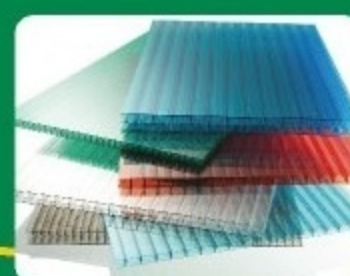
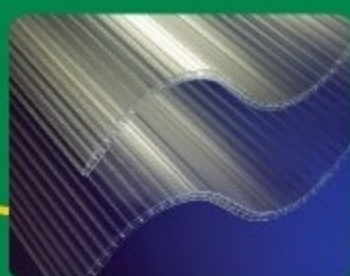
#### Profile & Panel:

- Flame Retardant MB: For Al-Co Panel
- PS and ABS Compound: Various color shades
- Heat and Light Stabilizer: UVA, HALS and Anti-Oxidant combination
- Adhesive Resin: Tie-layer for Al-Co Panel



#### Sheet:

- PE compound for Geo-Membrane: Stabilized, Various Colors
- PC and PMMA Compound: Various Color shades
- Engineering Alloys: High performance, Reasonable cost
- Heat and Light Stabilizer: UVA, HALS and Anti-Oxidant combination
- Black MB: High tint, Eco-grades



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**Indoor:**

- PP and PP Mineral Reinforced Compound: Various color shades
- ABS and PC/ABS Alloy Compound: Various color shades
- PA6 and PA Mineral Reinforced Compound: Various color shades
- Light Stabilizer MB: UVA and HALS combination



**Outdoor:**

- PP/Elastomer Compound for Bumper
- PC and PMMA Compound: Various color shades for head and rear lamp
- PA and ABS Compound for Wheel Cap
- Light Stabilizer MB: UVA and HALS combination



**Under the Hood:**

- PP Mineral Reinforced Compound: High Heat Resistance
- Black MB: High Tint, Eco-grade



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**Home Appliance:**

- Engineering Alloys: High performance, Reasonable cost
- PP Mineral Reinforced Compound
- White MB: Various color shades base on PP and ABS
- Color MB: Various color shades
- Anti-Bacterial MB: Reduces bacteria growth



**Electronics:**

- Engineering Alloys: High performance, Reasonable cost
- Flame Retardant Compound: Various types and Performance
- Color MB: Various color shades
- Black MB: Various carriers, High Gloss







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#### Greenhouse Film:

- Light Stabilizer MB: HALS combination
- Heat stabilizer MB: Anti-Oxidants combination
- Anti-Fog & Anti-Drip MB: Eliminates opaque layer of droplets
- IR-Absorber MB: Thermal barrier
- Opacifier MB: Reduces sun exposure in desert regions



#### Mulch Film:

- Black MB: High tint, Eco-grade
- White MB: Strong hiding power, Eco-grades
- Filler MB: Reduces light transmission, Cost down
- Degradable MB: Speeds degradation and reduces collection costs
- Pesticides MB: Attracts and kills pests and insects
- Slip/Anti-Block MB: High efficiency, Eco-grades
- Desiccant MB: Eliminates moisture and locked gas negative effects



#### Drip Irrigation Pipe:

- Black MB: Stabilized
- Black Compound: Adjusted properties to ISIRI
- Processing Aid MB (PPA): Eliminates die-build up and improves surface quality
- Heat Stabilizer MB: Anti-Oxidants combination



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## Rigid Packaging



### Solid & Foamed Sheet:

- White MB: Strong hiding power, Eco-grades
- Special white MB: Last generation, High Gloss
- Filler MB: Improves heat transfer and line speed, Cost down
- Clarifying MB: Improves transparency for PP, Odorless
- Nucleating MB: Nucleating for foamed PE, Improves cell structure
- Blowing MB: Lightening, Improves cell structure
- Anti-Block MB: Prevents blocking of thermoforming sheets
- Anti-Static MB: Eliminates electrostatic charges
- Flame Retardant MB: Various types depend on customer needs
- Brightener MB: Whitening and Brightening



### Carton Plast:

- White MB: Strong hiding power, Eco-grade
- Black MB: High tint, Eco-grades
- Filler MB: Improves stiffness and dimensional stability, Cost down
- Reinforcing MB: Improves mechanical properties
- Impact Modifier: Enhances impact strength
- Anti-Static MB: Eliminates electrostatic charges
- Light stabilizer MB: HALS combination



### IML (In Mold Labeling):

- Viscosity modifier MB: Reduces PP viscosity (Increases MFI)
- Impact Modifier: Enhances impact strength
- High flow white MB: Easy process in IML
- Clarifying MB: Improves transparency for PP, Odorless
- Reinforcing MB: Improves mechanical properties, Reduces cycle time



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#### PE General Film:

- White MB: Strong hiding power, Eco-grades
- Special white MB: Last generation, High Gloss for surface layer
- Black MB: High tint, Eco-grades
- Filler MB: Improves properties & process, Cost down
- Slip/Anti-block MB: Transparent, High efficiency, Eco-grades
- Anti-Static MB: Eliminates electrostatic charges
- Brightener MB: Whitening and Brightening
- Processing Aid MB (PPA): Eliminates die-build up and melt fracture
- Desiccant MB: Eliminates moisture and locked gas negative effects
- Heat Stabilizer MB: Anti-Oxidants Combination
- Light stabilizer MB: HALS combination



#### PE Stretch Film:

- Cling MB: PIB Tackifier
- Clarifying MB: Odorless, High efficiency
- Color MB: Transparent, Various color shade



#### PP Raffia & Jumbo Bag:

- White MB: Strong hiding power, Eco-grade
- Light Stabilizer MB: HALS combination
- Mineral Modifier MB: Anti-Fibrillating, Anti-splitting, Cost down
- Color MB: Various color shades, Eco-grades
- Anti-static MB: Eliminates electrostatic charges



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# PIPE



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## PE High Pressure Pipe:

- Lack MB: Heat & Light Stabilized
- Processing Aid MB (PPA): Eliminates die-build up, Improves surface quality
- Heat Stabilizer MB: Anti-Oxidants combination



## PE Corrugated Pipe:

- Black MB: High tint, Eco-grades
- Reinforcing MB: Improves stiffness, Cost down
- Color MB: Standard shades, Eco-grades
- Desiccant MB: Eliminates moisture and blocked gas negative effects



## PPRC Pipe:

- White MB: Proper hiding power, Non-migration
- Heat Stabilizer MB: Anti-Oxidants combination



## PP Sewage & Drainage Pipe & Fitting:

- Soundless (Silent) Pipe Compound
- Reinforcing Modifier
- Desiccant MB: Eliminates moisture and blocked gas negative effects
- Flame Retardant MB: Various types depend on customer needs



## AL Composite Pipe:

- Adhesive Resin: Tie-layer resin
- Reinforcing Modifier



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**Injection Molded:**

- PP mineral reinforced compound: For garden & kitchen furniture
- Engineering Alloys: High performance, Reasonable cost
- Impact Modifier: Improves impact strength
- Filler MB: Improves stiffness and dimensional stability, Cost down
- Black and White MB: High tint and hiding power, Eco-grades
- Color MB: Various shades, Eco-grades
- Anti-Bacterial MB: Reduces bacteria growth
- Clarifying MB: Improves transparency for PP, Odorless



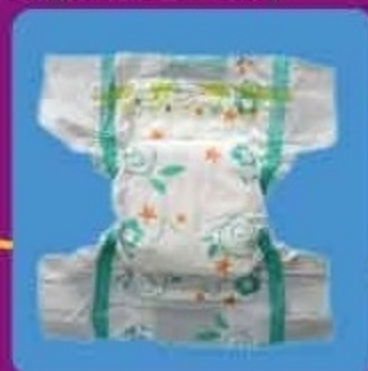
**Injection Molded:**

- Artificial Paper Compound
- Synthetic Leather Compound
- Reinforcing MB for PP sheet
- Clarifying MB for PP film/sheet
- Brightening MB for PP film/sheet
- Anti-Static MB for PP film/sheet
- Slip/ Anti-Block MB for PP film/sheet
- Color MB: Various shades, Eco-grades



**Injection Molded:**

- Breathable Film Compound for Baby Diaper and Sanitary Napkin
- Mineral Modifier for non-breathable back sheet
- Head Stabilizer MB: Anti-Oxidants combination
- White MB: High hiding power, High heat stabilized
- Desiccant MB: Eliminates moisture and locked gas negative effects
- Slip/Anti-block MB: Transparent, High efficiency



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