



# PE COMPOUND & MB

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## PE COMPOUND & MB

Benefiting from compounding technology, PlasticKar factory manufactures various kinds of polymeric compounds based on PE and PVC polymers.

PE compounds made by PlasticKar mainly used for PE bags and films, blow mold and injection mold products based on LDPE, HDPE, LLDPE or a combination of them.

These compounds are divided in two categories by PlasticKar:

**1- PE compounds**

**2- Filler Master batches (Hi-Cal)**



## PE COMPOUNDS

PE compounds are a combination of 'PE and CaCO<sub>3</sub>' and are mainly used for PE bags and films, blow mold and injection mold products based on LDPE, HDPE, LLDPE or a combination of them.

PE is the major material in the compound (70-95%), the remaining (5-30%) contains CaCO<sub>3</sub> and some additives. Therefore the quality of the compound is very close to PE raw material.

In some cases you can use this compounds directly as an alternative to the PE resin to produce products such plastic bags, blow molding dishes, disposable tablecloths and etc.



## FILLER MASTERBATCHES (HI-CAL)

HiCal is the commercial name of a polymeric compound produced from PE, CaCO<sub>3</sub> and other mineral materials. This products contains CaCo3 (50-80%) abd PE (2-50%).

Some features of this Filler Masterbatch (CaCo3 Masterbatch) such as improving the production process, maintaining strength, resistance against tear, smoothness along with cost reduction, have led to the growth of demand of this product in various industries including packaging, gunny sacks, extruded PE films and bags, home appliances, etc.

Also, due to the use of minerals in this compound, it can be considered as an eco-friendly product.

### Applications:

- PE shopping bags and garbage bags
- PE Industrial films
- Blown and injected plastic bottles and dishes



### Features:

- Easier processing
- Increasing strength
- Reducing production costs
- Eco friendly
- Slip resistance and enhanced dimensional stability
- Improving printing quality

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