



## Washing Machine Casing Manufacturer in Egypt



### Context:

The customer was using 100% virgin resin to produce washing machine casings. However, market feedback indicated that the product price was too high.

### Challenge:

The customer needed to find a way to reduce production costs, but this was a challenging application due to the high MFI (Melt Flow Index) requirement of 40-50. Almost no filler masterbatch suppliers could provide a product that met the customer's strict standards.

### Mega Plast's Solution: Using Filler Masterbatch I202H

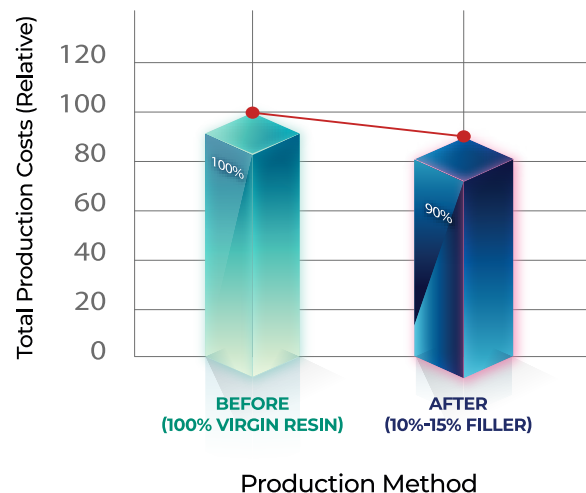
Mega Plast offered a customized solution with product code I202H, specifically tailored for the customer's product line, allowing a filler loading ratio of 10%-15%. After incorporating the filler into the production process, the product met the customer's standards and passed all droptests, including being dropped from heights of 10-15 meters multiple times without breaking.

### Results:

Below is a visual representation of the cost reduction after implementing the filler solution:

I will now create a chart showing the cost comparison between using 100% virgin resin and using 10%-15% Filler Masterbatch for washing machine casing production.

**COST COMPARISON:**  
100% Virgin Resin vs. 10%-15% Filler Masterbatch for Washing Machine Casings



Here is the visual representation of the cost comparison for the washing machine casing production, highlighting the approximate 10% reduction in production costs after incorporating 10%-15% Filler Masterbatch. This chart illustrates the efficiency gained from the customized solution offered by Mega.

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The Detailed Case Study

Want to know more about how MegaPlast helped manufacturers in Egypt optimize their production costs? Download the detailed case study here to get more information and the right solutions for your needs.