

Dear Sir,

Greetings from Glasspower Engineering !!!

Glasspower Engineering, being a Customer centric company, always find ways and means for process improvement related to Glass manufacturing by offering innovative and cost-effective solutions.

In this context we have critically studied "Use of Mild Steel buckets vs Use of Nylon buckets for Sand, Soda Ash, Limestone, Dolomite, Feldspar and Minor ingredients" in last 4-5 months, and some interesting observations have been inferred, which may be advantageous for all the Glassmakers. Observations are as follows -

- 1** - Nylon buckets have only one third weight as compared to same size Mild Steel bucket.
- 2** - Nylon buckets are abrasion resistant , non sticky surface and non reactive to any of the glass making raw materials. These buckets can be used for all glass making raw materials (except cullet)
- 3** - Nylon buckets are Hydrophobic , so don't get affected by moisture so no rusting is possible.

#### **Advantages expected by replacing Mild Steel buckets by Nylon buckets -**

- 1** - After replacing Mild steel buckets by Nylon buckets total load on Bucket elevator belt will reduce by at least 50 % which will increase belt life to considerable extent and will also allow to use lower rating belt during next scheduled replacement.
- 2** - Because of lesser total weight on Bucket elevator drive, at least 15-20 % lesser power consumption is expected.
- 3** - When a mild steel bucket dislocates from its position or falls inside the bucket elevator , considerable damage may happen to Bucket elevator casings , belt and other buckets , but in case of Nylon buckets chances of damages are much lesser.
- 4** - Nylon buckets don't get de-shaped like mild steel buckets so capacity of elevator don't get reduced.
- 5** - Mild steel buckets gets affected by moisture and with passage of time gets rusted. This rust comes out from buckets as rusty steel flakes and goes to furnace along with different raw materials. This increases total iron in glass. Nylon buckets does not get affected by moisture so unwanted iron contribution during raw material receiving to batch feeding to furnace can be reduced to considerable extent.

**You will agree that all the above benefits directly translates to great recurring cost saving, easier maintenance and improved glass quality by making small investment for Nylon buckets while replacing Mild steel buckets.**

***Glasspower Engineering being a premium supplier for International quality Nylon buckets in India, would request to give this analysis a thought and allow us to serve you for cost benefit and quality improvements in your glass manufacturing plant.***

Please feel free to ask in case of any questions in mind.

Best Regards,

**Ashutosh Joshi | Managing Director  
Glasspower Engineering India Pvt. Ltd.**

342, 3rd Floor, Vipul Trade Centre , Sec-48, Sohna Road, Gurgaon -  
122 018 (Haryana) Ph: (+91124) 4555855 | **web:** [www.glasspower.in](http://www.glasspower.in)

Glasspower Make Type 300 Nylon Buckets



Glasspower Make Type 500 Nylon Buckets



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***Our Commitments are High so are our Aspiration***

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