



Nobody bonds, like us...

Custom Solutions of Dex Gum Powder for

- Corrugated Paper Box
- Paper Tube / Core / Angle Board
- Pharmaceutical • Herbal • Foundry Industries

About Us

Garg adhesives is manufacturer & Exporter of Dex Gum Powder and Sodium Silicate Industrial chemicals since last 50 years, with annual capacity of producing 12000 MT of Dex gum powder and 9000 MT sodium silicate. Our modern plant with in house fully equipped lab, well experienced work force, strict quality control and customized services, has brought to us recognition. We have been continuously finding our name among the approved suppliers to many world leaders. It would be our pleasure and satisfaction to serve your requirements in Dex Gum powder from our standard products or processing to your customized needs. We are best known in the industry for meeting the customized needs in Dex Gum powder. Our major Foreign Market are Middle East, Asia, Africa & Europe



1 Automatic Corrugated 3/5 Ply Plant

For automatic plants we supply single adhesive powder used for both corrugation and pasting operations, it is a cold water soluble powder, it has high initial tackiness, quicker gelling and rapid bond forming properties to enable machine to run at rated speed. Its has a high consistency and extremely stable viscosity so it increases the Dry strength as measured by the PAT (Pin adhesion test), ECT (Edge Crush Test) and BCT (box crush test). For vthis we recommend Water mix ratio upto 1:4 with solid upto 25% and also can be manufactured according to the customize needs.



3 Paper Tube / Core / Edge Protector / Angle Board / DTYF POY Manufactures

For manufacturing these items we have "Dex Gum Powder"it has high tackiness and very quick setting properties. Dextrin based adhesive formulations are generally used for this application. Complete lamination of Paper to paper is critical in achieving potential compression strength. We offers Tapioca Dextrin based adhesive for formulations for these products. Depending upon the application, one can choose the water mixing ratio (1:1 to 1:3) resulting solids between 25 % to 50%. The viscosity of the product is machine speed dependent & can be maintained at a constant level.

2 Semi Automatic Corrugated Box Plant

For semi corrugated plants, we have two different Adhesive powder one for Corrugation and other for Pasting based on modified Tapioca starch and modified Maize Starch. Corrugation Powder is CAUSTIC free cold water soluble powder with different water mix ratio (1:4 to 1:7). And in Pasting Powder, one can choose from CAUSTIC free or high pH gum powder with both cold water soluble or Hot water soluble powder depending upon the application (GSM , BF & type of flute), in pasting gum there are various water mix ratios (1:2 to 1:10) and resulting solids between 8% to 33%. and also the Viscosity of the glue can be maintained at a constant level according to the required demand irrespective of the water mix ratio. Our adhesives help corrugators achieve dry board (moisture of 10%) in 5 ply board in less than 1 hour. Different grades of adhesives are available for Heavy GSM coated kraft .Duplex Board ,E Flute and Micro flutes.



4 Flute Laminator Machine

Our Starch based adhesive powder for flute laminator is much more rigid and strong and even economical in comparison to PVA and PVAC glue. It endures humidity well and fully meets the needs of all kinds, its water soluble ratio varies from 1:3 to 1:4. It can paste within 10-15 secs, and gets dry within 10-15 mins.

5 Sodium Silicate

Sodium silicate is a liquid adhesive with the formula $\text{Na}_2(\text{SiO}_2)_n\text{O}$. Its in a liquid form Also known as water glass or liquid glass, sodium silicate is used as a adhesive in semi automatic corrugated plants instead of pasting gum. Dryness time of sodium silicate is much faster as compared to starch based pasting gum and also after drying it form like a dry glass layer between the sheets which gives the sheet excellent adhesion and stiffness.

Sodium silicate is also used in casting industry, soap industry and construction cement as abinder with different specifications and formulzation

6 Strong Bond Additive

- To increase the water Resistance property
- To increase the bursting strength.
- To decrease the water swelling property
- To increase the sheer strength.
- To increase the Anti bacterial properties
- Helps machine to run at Faster Speed.
- Faster Quick Drying of Board.

7 Anti Cracking & Anti Foaming Resin

These resins make the glue in paper boxes stronger and last longer. They do this by making it less likely that the glue will crack or foam, which makes the bond more reliable and long-lasting.

8 Stitching Wire (All Sizes & Grades Available)

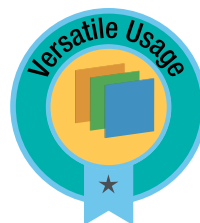
Our stitching wires are meticulously engineered to cater to the specific needs of the corrugated paper box manufacturing industry. We ensure that our products meet our customers' precise standards in terms of cost-effectiveness, consistent availability, and unwavering quality.



Products Highlight



Food Grade Gum
WITHOUT CAUSTIC





GARG

CHEMICAL
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**We also Manufacture
Portable Gum Mixing machines with
Water Level Indicators
as per customer requirement**

**RPM of the mixture is pre-designed as required for
proper gelatinisation of the glue**

