

GUM ARABIC 14^ºBÉ



100% Pure Gum Arabic for Printing Applications

As the name implies, this product contains 100% pure gum arabic with its only additive a minute quantity of a preservative to prevent souring, as any vegetable product solution is apt to do. It has a pale yellow color and is made to a standard consistency of 14^ºBé. After being processed in glass-lined stainless steel tanks to prevent contamination, the product is strained and filtered extensively to guarantee purity so that no foreign material nor undissolved particles that might scratch a plate can remain in the gum arabic.

Gum arabic is a natural gum that comes from acacia trees; in lithography, it is used to desensitize plates and it is used as an ingredient in fountain solutions. No other gum (such as mesquite gum, larchgum, dextrine and cellulose gum) possesses the same colloidal properties found in gum arabic and hence does not perform as well as gum arabic when it is part of the fountain solution.

Benefits

- Contains no substitute
- Can be used as a fountain solution additive
- Can be used manually or in any plate processor
- Resists souring
- Microfiltered
- Has a long shelf-life if kept away from freezing or extremely high temperatures

VOC

Does not contain VOC

Directions

For Use in Fountain Solutions To prepare a fountain solution using a fountain etch concentrate that does not already contain gum, add 1 ounce/30 ml of Gum Arabic 14^ºBé to 1 ounce/30 ml of etch and mix with enough water to make 1 gallon/3.8 liters. If desired, other additives such as fungus arrestors can also be added in their proper amounts.

For Gumming Plates As a plate gum either in the plateroom or on the press, gum arabic 14^ºBé is usually considered to be too viscous to spread a thin film smoothly and evenly across the plate: for this purpose, gum 8^ºBé or 10^ºBé is better.

To convert 100% pure gum arabic 14^ºBé to a lower viscosity, mix with water in the following proportions:

12^ºBé = 28 oz./828 ml of 14^ºBé gum arabic + 4 oz./118 ml of water

10^ºBé = 23 oz./680 ml of 14^ºBé gum arabic + 9 oz./266 ml of water

8^ºBé = 18 oz./532 ml of 14^ºBé gum arabic + 14 oz./414 ml of water

6^ºBé = 13 oz./384 ml of 14^ºBé gum arabic + 19 oz./562 ml of water

Packaging

Bottle 1 gallon/3.8 liters (4 per case)

Pail 5 gallons/19 liters

Drum 55 gallons/208 liters