

This website uses cookies to improve the user's experience during working with our network and to provide users with dedicated services and functions. By further use you agree with that.OKDetails

Adresse	Omya GmbH Siegburger Str. 229c 50679 Köln
Pays	Allemagne

PRODUITS OU MACHINES

Raw material for glass production

Natural glass has existed since the beginning of time. It is formed when certain types of rocks melt as a result of high-temperature phenomena such as volcanic eruptions, lightning strikes or the impact of meteorites, and then cool and solidify rapidly.

The earliest man-made glass objects, mainly non-transparent glass beads, are thought to date to 3500 B.C. and have been found in Egypt and eastern Mesopotamia. In the third millennium, in central Mesopotamia, the basic raw materials for glass were being used principally to produce glazes on pots and vases.

The first glassmaking "manual" dates back to around 650 B.C. Instructions on how to make glass are contained in tablets from the library of the Assyrian king Ashurbanipal (669-626 B.C.).

From this long evolution of glass manufacture, we can subdivide the glass market today into three segments:

Flat glass,

Container glass (hollow glass) and

Fiber glass

Calcium carbonate is one of the main components in glass, along with silica and soda ash.

Calcium carbonate is used in glass as a stabilizer. It modifies viscosity and increases the durability of the glass.

For all types of glass, the common properties required of calcium carbonate are extremely low iron content, consistent chemical characteristics and low moisture content. Dolomite, a magnesium calcium carbonate mineral, can also be used as a stabilizer to improve the resistance of glass to natural or chemical attack in all three types of glass.

Company Profile of **Omya GmbH**

A service of glasssglobal.com, an affiliate of glasssglobal group.

Les informations publiées sur ce document sont soumises au droit d'auteur et appartiennent à la société en question resp. à la source des adresses. Tous les droits sont réservés expressément. N'importe quel utilisateur qui accède à un tel matériel peut faire ainsi seulement pour sa propre utilisation personnelle, et l'usage d'un tel matériel est au risque unique de l'utilisateur. La redistribution ou toute autre exploitation commerciale des adresses est expressément interdite. Là où une adresse est fournie par un tiers, chaque utilisateur accepte d'observer et être lié par les limites spécifiques de l'utilisation. Glass Global ne représente ou n'approuve pas l'exactitude ou la fiabilité d'aucune des informations citées dans les adresses ou pages externes auxquelles l'on se réfère ici. www.glasssglobal.com - The International Portal to the Glass Industry - OGIS GmbH