

MAGNESIUM OXIDE FOR GLASS

Puyang Refractories Group Co., Ltd. (PRCO) owns a high-grade magnesite mine with independent property rights in west China. The verified reserves exploitable are above 48 million metric tons.

PN-MH011/MH004 is a magnesium oxide product specifically developed for the glass industry. In glass production, the hardening speed and crystallization performance of the glass liquid can be effectively controlled to improve the high-temperature physical properties of the glass, while also improving the melting performance of the glass.

- It can meet the demand of the high-speed molding by controlling the hardening speed (i.e., making the glass harden by increasing the viscosity in a short time).
- Also helps to prevent the glass liquid from crystallizing during cooling or bursting during annealing.
- This contributes to improving the refractive performance of glass by transforming dazzling light into relatively soft light, which is very important for safety in aircraft and automotive applications.

Product features: Low iron, low sulfur, chlorine free, and boron free.

Application fields: Optoelectronic glass, mobile phone touch screens, displays, automotive glass, etc.

Advantages:

1. High purity. $MgO \geq 97.8\%$.
2. Low ferrous. This doesn't affect the transparency or color of the glass.
3. Halogens-free and sulfate ions free. Neither has an adverse effect on glass during service, nor corrodes or affects metal equipment and the lining materials of glass furnaces.
4. High-cost performance. Simple processing techniques, short productive processes and no impurities introduced.

References:

This product has been successfully launched on the market and has achieved excellent performance in South Korea, and China branches (Taiwan, Hefei, Wuhan, Beijing, and Guangzhou) of an American company. Current supply quantity is approx. 5000 tons per year.

Size fraction: 20mesh (750micron) ~ 200 mesh (75micron) .

Packing: 25kg woven bags / 1000kg jumbo bags / customized.

