



Calcium Oxide (Calabsorb-X)

Calabsorb-X is a powder form of Calcium Oxide, having a 95 % purity, and used as a desiccant in PE/PP Masterbatch, Rubber Compounds and PVC Plastics. The main function of Calcium Oxide is to absorb moisture and eliminate moisture related problems in plastics and rubber applications. Calcium Oxide turns into Calcium Hydroxide once it absorbs water. Basically, 3 kg Calcium Oxide will absorb 1 kg water.

Applications for Calcium Oxide are listed as follows:

- Desiccant masterbatch production
- Filler masterbatch to extend the shelf life of the product and to absorb moisture in raw materials
- Plastics recycling
- Wastewater treatment
- Low pressure curing in the cable industry
- Construction chemicals where moisture must be eliminated.

Technical Properties

Chemical Characteristics : Calcium Oxide

Appearance : White, powder

CaO % : 95 ±2

SiO₂ (%) : 0.02 Max.

MgO (%) : 0.8 Max.

Al₂O₃ (%) : 0.20 Max.

Fe₂O₃ (%) : 0.02 Max

Particle size: x10= 0.63 μm x50= 1.30 μm. x99= 12.00 μm

Bulk Density (g/ml) : 0.900 ± 0.05

Storage Stability : 1 year after production date under cool and dry storage conditions

Packing : 1 kg & 5 kg sachets, 25 kg PE lined bags, or 1000 kg Bigbag