

Mixgran[®] ZnO 80 LM

Manufacturer: Shandong Yanggu Huatai Chemical Co., LTD.

Classification: Zinc Oxide Dispersion

Specification Properties	Value
Ash Content, %	78-82
Mooney Viscosity, ML (1+4) @175°F	20-40
Typical Properties	Value
Density, g/cm ³	2.7-2.8
Physical Form	White granules

> APPLICATIONS

Uses: Used as an activator in sulfur based cure systems and a vulcanizer for halobutyl rubbers. Mixgran[®] ZnO-80 LM is a special grade of zinc oxide particularly suitable for the rubber industry. Due to its elastomer-bound form, the absorption of humidity from the atmosphere during storage is prevented. In comparison to extrusion compounds containing powdered zinc oxide, those with Mixgran[®] ZnO-80 LM provide smoother profiles. This is due to the more homogeneous dispersion of Mixgran[®] ZnO-80 LM. A slight increase in modulus and tensile strength usually occurs. Elongation at break is also improved.

> ADVANTAGES OF DISPERSION FORM

Reduced Manufacturing Costs:

- Better dispersion of chemicals
- Faster mixing equating to increased mixing equipment output
- Reduced labor cost
- 5% reduction in lost chemicals
- More efficient use of chemicals
- Suitable for automatic weighing and handling equipment

Quality Improvements:

- Single source of raw materials
- Better dispersion leading to more consistent cure times and physical properties
- Reduction of off-spec batches

Environmental:

- Reduced airborne dust
- Less skin contact to mixing operators
- Elimination of residual dust in packaging
- Reduced chemical usage



Technical Data Sheet

> PACKAGING AND STORAGE

Packaging: 25 kg (55.1 lb.) bags.

Shelf Life: 2 years from date of manufacture if stored as indicated below.

Storage: Store in a closed container in a cool, dry environment away from chlorinated rubber.

Specification Date: January 27, 2014