



C-2000 is a cross-linking activator specially for fluoroelastomer. It is used in polyol & polyamine cure type fluoroelastomers. In both type fluoro rubber, magnesium oxide is used as acid acceptor and CALCIUM HYDROXIDE, **C-2000** is used as cross linking activator. Magnesium Oxide 3 to 40 Phr can be absorbed in fluoroelastomers by adding **C-2000** to reduce cost of compound.

PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical Topics	Standard
Colour	White
Appearance	Powder
Floating On Water	Yes
Smell	No Smell
Specific Gravity (20 ⁰ C)	Around 2.2 g/cm ³
Apparent Specific Gravity	Below 1.2 g/cm ³
Sieve Residue (149 u Mesh)	Below 0.001%
Sieve Residue (74 u Mesh)	Below 0.001%
Particle Diameter (Average)	9.0~12.0 Mu

Chemical Topics	Standard
Moisture	Below 1.5%
Purity (Ca (OH) ₂)	Below 98.5%
Magnesium Oxide (MgO)	Below 1.0%
Ferric, Aluminium Oxide (R203)	Below 1.0%
Acid – Insoluble (SiO ₂)	Below 0.5%

Mode of Action:

Use of **C-2000** improves properties such as high processing safety, very good stability of compound and optimum (low) compression set specially at high temperatures and high tensile strength.

Application:

- Add **C-2000** 6 Phr, magnesium oxide (Starmag[®] 150) 3 Phr to 5 Phr in polyol type fluoroelastomers.
- Add **C-2000** 3 Phr polyamine cure type fluoroelastomers to improve metal to rubber bonding. Add min 15 Phr of low active magnesium oxide (Starmag[®]L).
- **C-2000** should be added together with magnesium oxide and carbon black by premixing **C-2000**, magnesium oxide and carbon black, and then adding to masticated Fluoroelastomers.

Precaution of Handling:

C-2000 absorbs moisture quite fast, so please open container and measure just before adding to compound. Please seal the container immediate right after you take out necessary quantity from container.

Packing:

Plastic container of 500 gms.