

Calcium Hydroxide For Fluoro-Rubber

CALDIC #1000

CALDIC #2000

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1. At the beginning

Fluoro-rubber compounding of polyol vulcanization system is superior to that of conventional diamine vulcanization system in terms of processing safety, preserving stability, and low compression set.

For fluoro-rubber compounding of polyol vulcanization system, calcium hydroxide is used with normal high-active magnesium oxide as an acid acceptor. CALDIC is used for use in a lot of fluoro-rubber, and occupies a high share of the Japan market as the acid acceptor of fluoro-rubber.

CALDIC is specially ultra-pulverized calcium hydroxide for polyol vulcanization, and CALDIC improves polyol vulcanization characteristics such as processing safety, preserving stability, and low compression set.

2. Usage

As standard usage amount of CALDIC toward fluoro-rubber, please combine 6 PHR CALDIC and 3 PHR magnesium Oxide. When using CALDIC, pour magnesium oxide and carbon black together. It is recommended that the defined amount of CALDIC, magnesium oxide, and carbon black are in advanced blended before using.

3. Handling and Reserving Precautions

CALDIC has highly hygroscopic nature, so please weigh it on a scale immediately before composition.

Once opened, take it out as much as you need, then seal it off as soon as possible.

4. Physical and Chemical Characteristics

Items	Unit	CALDIC#1000	CALDIC#2000
Hue and Shape	-	White Powder	White Powder
Smell	-	None	None
Specific Gravity (20°C)	g/cm ³	Approx. 2.2	Approx. 2.2
Apparent Specific Gravity	g/cm ³	Under 1.2	Under 1.2
Screen Rumps (200 Mesh Wet Type)	%	Less than 0.001	Less than 0.001
Average Particle Size	µm	8.0 - 12.0	8.0 - 12.0
Moisture	%	Less than 1.5	Less than 1.5
Purity (Ca(OH) ₂)	%	More than 95.0	More than 95.0
Magnesium Oxide (MgO)	%	Less than 1.0	Less than 1.0
Iron Oxide / Alumina (Fe ₂ O ₃ /Al ₂ O ₃)	%	Less than 1.0	Less than 1.0
Acid Soluble Matter (SiO ₂)	%	Less than 0.5	Less than 0.5
Fat and Oil Content	%	3	-

- Caution about the Description -

However the description is based on the current available document and information, it is not always guaranteed the product quality and risk.