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RELEASE AGENTS

AKROGEL® DRY POWDER

DESCRIPTION:

AKROGEL Dry Powder is a water soluble powder composed of Sodium Salt of a Methyl Tauride. It is used to make Akrogel aqueous release solution. It is compatible with all types of elastomers. It is used to prevent sticking of uncured compounds and extrusions. Akrogel also reduces water spotting in vulcanizer cures.

TYPICAL PROPERTIES:

Appearance	Free-flowing white powder
Solubility in water.....	Readily soluble
Odor	Mild fatty acid
pH, 10% solution.....	6.5 - 8.0

APPLICATIONS:

1. LUBRICATING EXTRUDED GOODS: Passing an extrusion through a 2 to 10% Akro-Gel solution will prevent sticking during cure.
2. PREVENTION OF WATER SPOTTING IN OPEN STEAM CURE: To prevent water spotting in open steam cure, pass the stock through a 10 to 15% Akro-Gel solution before cure. This places a thin coating of Akro-Gel on the stock which prevents water droplets from standing on the surface of the goods and eliminates the spotting.
3. SLAB DIP: A 10 to 20% Akro-Gel solution will prevent uncured stock from sticking to itself or to other uncured stocks. Akro-Gel is transparent and will not discolor white or color stocks.

USE OF AKROGEL POWDER:

Akrogel Dry Powder should be diluted with tap water to about 20% active Akrogel. Use hot (above 135°F) water to speed dissolving. Since many users of Akrogel aqueous solution (which was approximately 20% active powder) dilute further to a 2 to 10% solution, it is recommended that the powder be directly diluted to the desired level. Remember that Akrogel is a corrosive salt by nature. Dilution and storage of Akrogel should be in plastic or aluminum containers.

RELEASE SYSTEMS:

To explore other release systems see Silicone Products and Stearates

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