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RELEASE AGENTS

AKRO-GEL® DRY POWDER

DESCRIPTION:

Akro-Gel dry powder is a water soluble powder composed of Sodium Salt of a Methyl Tauride. It is used to make Akro-Gel aqueous release solution. It is compatible with all types of elastomers. It is used to prevent sticking of uncured compounds and extrusions. Akro-Gel 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 AKRO-GEL® POWDER:

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

RELEASE SYSTEMS:

To explore other release systems see Silicone Products and Stearates.

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