



Loes Enterprises, Inc

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FOAM PLASTISOL

DESCRIPTION: Foam plastisols can be dip coated, slush molded, rotocast, spread coated, or open molded. Upon fusion, the finished product will have chemically expanded open or closed cells. Foam Plastisols can be formulated to a variety of densities, processing temperatures and colors. They are useful in such applications as tool handles, toys, carpet backing, athletic padding, boot liners, fishing lures, and molded sponge.

PROCESSING CONDITIONS: Proper processing conditions of foam plastisols will vary by the application. However, the unique nature of foams dictates the need for more control of oven temperature, time and oven air velocity. Proper foam expansion is a result of a properly matched fusion versus blow agent decomposition. If fusion rates vary so will foam expansion.

STORAGE: The shelf life of foams can be several years if a stable storage temperature is provided. Storage temperatures in excess of 90° F can be affect viscosity and decomposition properties of the foam plastisol.

PROCESSING GUIDELINES:

1. Forced air ovens with good ventilation offer optimum processing conditions.
2. To increase expansion use higher temperatures or longer cycles.
3. To reduce "overblow" use lower temperatures in shorter cycles.

Avoid changing more than one cycle variable at a time. Make small adjustments.

Overblow is the excessive expansion caused by the thermal expansion of the gasses produced by the decomposition of the blowing agent.

Loes Enterprises produces many grades of foam plastisols. All foams can be modified and adjusted to match the customers' applications and processing conditions.

Questions on foam plastisols can be directed to Loes Enterprises, Inc at 651-646-1385 or (800) 869-1088. Please have a formula number if one applies when calling.