

ANSI/SPI B151.20-1999

American National Standard

*for Plastic Sheet Production Machinery –
Manufacture, Care & Use*

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ANSI/SPI B151.20-1999

Revision of
ANSI/SPI B151.20-1982

American National Standard
for Plastic Sheet Production Machinery –
Manufacture, Care & Use

Sponsor

The Society of the Plastics Industry, Inc.

Approved August 11, 1999

American National Standards Institute, Inc.

American National Standard

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Published by

**American National Standards Institute, Inc.
11 West 42nd Street, New York, NY 10036**

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Printed in the United States of America

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Foreword (This foreword is not part of American National Standard ANSI/SPI B151.20-1999.)

A standard treating the manufacture, care and use of plastic sheet production machines is complicated by the wide variety and size of machines manufactured and in use, and by the virtually infinite combinations of parts being produced, production methods being used and operating conditions existing in industry today.

The primary objective of this standard is to minimize hazards to personnel associated with machine activity by establishing requirements for the manufacture, care and use of these machines. To accomplish this objective a decision was made to approach the problem of machine safety as follows:

1. Eliminate by design certain recognized hazards and the establishment of standard approaches to design so those machines available from competitive manufacturers will have similar operational characteristics.
2. Safeguard machine where recognized hazards cannot be designed out for technical or operational reasons.
3. Warn where elimination or safeguarding of hazards is not technically or operationally feasible.

To assist in the interpretation of these requirements, responsibilities have been assigned to the manufacturer, re-manufacturer, the modifier and the employer.

Recognizing the impossibility of updating equipment and changing operation methods allied with existing machines immediately after the approval date of this standard, a 3-year period has been provided to employers for updating machines.

Recognizing the impossibility of immediate updating of design and manufacturing methods, clauses 4 and 6 shall become effective one year after the approval date of this standard.

Evidence of consensus on this standard was secured by using the Canvass Method.

Suggestions for improvement of this standard will be welcome. They should be sent to: The Society of the Plastics Industry, 1801 K Street NW, Suite 600, Washington DC 20006 -1301.

The Society of the Plastics Industry Extrusion Section Standards Committee was responsible for developing this standard.

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Explanation of Standard Format

This standard uses a two-column format to provide both specific requirements and supporting information.

The left column, designated "Standard Requirement" is confined solely to these requirements and is printed in bold type. Where supporting photographs or sketches are required, they are designated as "figures."

The right column, designated "Explanatory Information" contains only information that is intended to clarify the standard. This is *not* a part of the standard. Where supplementary photographs or sketches are required, they are designated as "illustrations."

Operating rules (safe practices) are not included in either column unless they are of such nature as to be vital safety requirements, equal in weight to other requirements or guides to assist in compliance with the standard.

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STANDARD REQUIREMENTS

1. Scope, Purpose, Application

1.1 *Scope*

Requirements of this standard shall apply to the primary sheet production machinery (Machinery).

Safety requirements of ancillary equipment used with the Machinery are not covered by this standard.

1.2 *Purpose*

The purpose of this standard is to identify and address known hazards to personnel working on or adjacent to the Machinery.

1.3 *Application*

1.3.1 *New Installation*

The requirements of this standard pertaining to manufacture shall apply to all new or remanufactured Machinery installed in the United States of America. Compliance shall be achieved within one year of the approval date of this standard. Date of shipment (month/year) shall be affixed to the Machine permanently and legibly along with the name of the manufacturer or remanufacturer.

1.3.2 *Existing Installations*

The employer is responsible for bringing existing Machines into compliance with the requirements of this standard within three years of the approval date of this standard with the following exception:

The 4 inch dimension referred to in sections 3.13 and 5.3.1.2 shall be changed to 3 inches.

EXPLANATORY INFORMATION

E1.1 *Scope*

Inquiries with respect to the application or Substantive requirements of the standard should be addressed to:

The Society of the Plastics Industry
1801 K Street, NW
Washington, DC 20006

E1.3.2 *Existing Installations*

If modifications are required to achieve this reduced dimension, the employer is strongly urged to use 4 inches if at all possible.