



STATE OF MICHIGAN  
JOCELYN BENSON, SECRETARY OF STATE  
DEPARTMENT OF STATE  
LANSING

March 26, 2021

**NOTICE OF FILING**  
**ADMINISTRATIVE RULES**

To: Secretary of the Senate  
Clerk of the House of Representatives  
Joint Committee on Administrative Rules  
Michigan Office of Administrative Hearings and Rules (Administrative Rules #19-122-LE)  
Legislative Service Bureau (Secretary of State Filing #21-03-21)  
Department of Labor and Economic Opportunity

In accordance with the requirements of Section 46 of Act No. 306 of the Public Acts of 1969, being MCL 24.246, and paragraph 16 of Executive Order 1995-6, this is to advise you that the Michigan Office of Administrative Hearings and Rules filed Administrative Rule #2019-122-LE (Secretary of State Filing #21-03-21) on this date at 9:58 A.M. for the Department of Labor and Economic Opportunity entitled, "General Industry Safety and Health Part 62. Plastic Molding".

These rules take effect immediately upon filing with the secretary of state unless adopted under section 33, 44, or 45a(6) of the administrative procedures act of 1969, 1969 PA 306, MCL 24.233, 24.244, or 24.245a. Rules adopted under these sections become effective 7 days after filing with the secretary of state.

Sincerely,

Jocelyn Benson  
Secretary of State

*Melissa Malerman /CK*

Melissa Malerman, Departmental Supervisor  
Office of the Great Seal

Enclosure



GRETCHEN WHITMER  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

ORLENE HAWKS  
DIRECTOR

March 26, 2021

The Honorable Jocelyn Benson  
Secretary of State  
Office of the Great Seal  
Richard H. Austin Building – 1<sup>st</sup> Floor  
430 W. Allegan  
Lansing, MI 48909

Dear Secretary Benson:

Re: Administrative Rules – Michigan Office of Administrative Hearings and Rules  
Administrative Rules #: 2019-122 LE

The Michigan Office of Administrative Hearings and Rules received administrative rules, dated February 4, 2021, for the Department of Labor and Economic Opportunity - "**General Industry Safety and Health Part 62 Plastic Molding**". We are transmitting these rules to you pursuant to the requirements of Section 46 of Act No. 306 of the Public Acts of 1969, being MCL 24.246, and paragraph 16 of Executive Order 1995-6.

Sincerely,

Michigan Office of Administrative Hearings and Rules



GRETCHEN WHITMER  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY  
LANSING

SUSAN CORBIN  
ACTING DIRECTOR

## CERTIFICATE OF ADOPTION

By authority conferred on the director of the department of labor and economic opportunity by sections 16 and 21 of the Michigan occupational safety and health act, 1974 PA 154, MCL 408.1016 and 408.1021, and Executive Reorganization Order Nos. 1996-2, 2003-1, 2008-4, 2011-4, and 2019-3, MCL 445.2001, 445.2011, 445.2025, 445.2030, and 125.1998.

R 408.16202, R 408.16207, R 408.16211, R 408.16226, and R 408.16234 of the Michigan Administrative Code are amended, and R 408.16223, R 408.16227, and R 408.16251 are rescinded.

Date: 2/17/2021

Adopted by: *Susan R. Corbin*

Susan R. Corbin  
Acting Director  
Department of Labor and Economic Opportunity



STATE OF MICHIGAN

GRETCHEN WHITMER  
GOVERNOR

DEPARTMENT OF LICENSING AND REGULATORY AFFAIRS

ORLENE HAWKS  
DIRECTOR

## LEGAL CERTIFICATION OF RULES

I certify that I have examined the attached administrative rules, dated February 4, 2021 in which the Department of Labor and Economic Opportunity proposes to modify a portion of the Michigan Administrative Code entitled “**General Industry Safety and Health Standard – Part 62. Plastic Molding**” by:

- ◆ Amending R 408.16202, R 408.16207, R 408.16211, R 408.16226, and R 408.16234.
- ◆ Rescinding R 408.16223, R 408.16227, and R 408.16251.

The Legislative Service Bureau has approved the proposed rules as to form, classification, and arrangement.

I approve the rules as to legality pursuant to the Administrative Procedures Act, MCL 24.201 *et seq.* and Executive Order No. 2019-6. In certifying the rules as to legality, I have determined that they are within the scope of the authority of the agency, do not violate constitutional rights, and are in conformity with the requirements of the Administrative Procedures Act.

Dated: February 17, 2021

Michigan Office of Administrative Hearings and Rules

By:

Katie Wienczewski,  
Attorney



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**Legal Division**

**Kevin H. Studebaker, Director**

CERTIFICATE OF APPROVAL

On behalf of the Legislative Service Bureau, and as required by section 45 of the Administrative Procedures Act of 1969, 1969 PA 306, MCL 24.245, I have examined the proposed rules of the Department of Labor and Economic Opportunity dated February 4, 2021, amending R 408.16202, R 408.16207, R 408.16211, R 408.16226, and R 408.16234 and rescinding R 408.16223, R 408.16227, and R 408.16251 of the Department's rules entitled "General Industry Safety and Health Standard Part 62. Plastic Molding." I approve the rules as to form, classification, and arrangement.

Dated: February 16, 2021

LEGISLATIVE SERVICE BUREAU

By

Elizabeth R. Edberg,  
Legal Counsel

DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY

DIRECTOR'S OFFICE

GENERAL INDUSTRY SAFETY AND HEALTH STANDARD

Filed with the secretary of state on March 26, 2021

These rules take effect immediately upon filing with the secretary of state unless adopted under section 33, 44, or 45a(6) of the administrative procedures act of 1969, 1969 PA 306, MCL 24.233, 24.244, or 24.245a. Rules adopted under these sections become effective 7 days after filing with the secretary of state.

(By authority conferred on the director of the department of labor and economic opportunity by sections 16 and 21 of the Michigan occupational safety and health act, 1974 PA 154, MCL 408.1016 and 408.1021, and Executive Reorganization Order Nos. 1996-2, 2003-1, 2008-4, 2011-4, and 2019-3, MCL 445.2001, 445.2011, 445.2025, 445.2030, and 125.1998)

R 408.16202, R 408.16207, R 408.16211, R 408.16226, and R 408.16234 of the Michigan Administrative Code are amended and R 408.16223, R 408.16227, and R 408.16251 are rescinded, as follows:

PART 62. PLASTIC MOLDING

R 408.16202 Referenced standards.

Rule 6202. The following Michigan Occupational Safety and Health Administration (MIOSHA) standards are referenced in these rules. Up to 5 copies of these standards may be obtained at no charge from the Michigan Department of Labor and Economic Opportunity, MIOSHA Regulatory Services Section, 530 West Allegan Street, P.O. Box 30643, Lansing, Michigan, 48909-8143 or via the internet at the following website: [www.michigan.gov/mioshastandards](http://www.michigan.gov/mioshastandards). For quantities greater than 5, the cost, at the time of adoption of these rules, is 4 cents per page.

(a) General Industry Safety and Health Standard Part 2. "Walking-Working Surfaces," R 408.10201 to R 408.10241.

(b) General Industry Safety Standard Part 85. "The Control of Hazardous Energy Sources," R 408.18501 to R 408.18599.

R 408.16207 Definitions; R, S.

Rule 6207. (1) "Rotational molding" means a method of making hollow articles by charging a hollow rotating mold with a plastic material. After the heated material covers all surfaces of the mold it is cooled and stripped out.

(2) "Safety factor" means the ratio of the breaking strength of a piece of material or object to the maximum designed load or stress applied when in use.

(3) "Safety gate" means a moveable, interlocked guard allowing the operator access to the point of operation to perform production related tasks.

February 4, 2021

(4) "Ship-lap machine" means a powered machine equipped with feed rolls and milling cutters for the purpose of cutting grooves in the edge of expanded sheet material.

(5) "Spin welding" means a method of fusing 2 objects together by spinning 1 or both until frictional heat melts the interface. The spinning is then stopped and pressure applied to both objects.

R 408.16211 Employer responsibilities.

Rule 6211. (1) An employer shall provide training to an employee regarding the operating procedures, hazards, and safeguards of any assigned job.

(2) An employer shall not allow a machine to be operated if the machine is not guarded as prescribed by this part or has a known defect that could affect the safety of an employee.

(3) An employer shall ensure that all safety devices are checked and found to be functional and properly adjusted.

## EQUIPMENT INSTALLATION AND MAINTENANCE

R 408.16223 Rescinded.

R 408.16226 Controls.

Rule 6226. (1) An operating control shall be guarded against accidental contact. A control button or lever shall be identified as to its function.

(2) If a machine requires more than 1 operator, and if each operator is exposed to a point of operation, the controls shall be activated concurrently before the machine will operate.

(3) A machine shall be provided with an emergency stop control at each operator station. The stop control shall be red in color and readily accessible. A button, if used, shall have a mushroom shape.

(4) A machine shall be provided with a means that, upon power failure, will prevent automatic restarting upon the restoration of power. Fire, coolant, and sump pumps are excepted from the requirements of this subrule.

(5) When used, interlocks shall be installed to minimize the possibility of accidental operation or tampering.

(6) Where more than 1 operator is assigned to a plastic molding machine that is not equipped with interlocked gates and the operator is exposed to a point of operation, or when hazardous motion in or near the point of operation could cause injury, each operator shall be provided with a device that prevents reaching into the point of operation during the closing cycle.

(7) Two-hand control devices shall be located in a manner to prevent bridging.

R 408.16227 Rescinded.

## SPECIFIC EQUIPMENT

R 408.16234 Injection molding machinery.

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Rule 6234. (1) An injection molding machine, except for one with a movable table that is subject to the provisions of subrule (4) of this rule, shall be equipped with a safety gate or guard that is designed and constructed to prevent an employee from reaching into the point of operation, except when the gate is open.

(2) A horizontal injection molding machine shall have the safety gate interlocked to stop or prevent mold-closing by any 2 of the following:

- (a) An electrical mold-closing control.
- (b) Hydraulic or pneumatic valves that control mold closing.
- (c) A mechanical device that prevents mold closing.
- (d) A second electrical mold closing control (all electrical horizontal injection molding machines).

(3) A vertical clamp injection molding machine shall have a mechanical restraint device to prevent unintentional gravity descent of the mold, and shall have the safety gate interlocked to stop or prevent mold-closing by any 2 of the following:

- (a) An electrical mold closing control.
- (b) Hydraulic or pneumatic valves that control mold closing.
- (c) A second electrical mold closing control (all electrical vertical injection molding machines).

(4) An injection molding machine that uses a movable table to hold the lower mold shall be provided with a guard or device that is designed and constructed to deny an operator access to the point of operation during machine cycle.

(5) An injection molding machine shall be equipped with a fixed or an interlocked movable or removable guard, or other device that is designed and constructed to prevent an employee from reaching into the clamping mechanism.

(6) When purging an injection molding machine, an employee shall be protected from the purging splatter by a shield that is fixed, portable, or worn on the employee. The same shielding shall be used when servicing a heated runner manifold nozzle.

(7) An injection molding machine that uses an extruding machine that has an exposed feed screw shall have the screw guarded as prescribed by R 408.16233(4).

(8) Employers engaged in mold changes on injection molding machines shall comply with General Industry Safety Standard Part 85. "The Control of Hazardous Energy Sources," (Lockout/Tagout), as referenced in R 408.16202.

R 408.16251 Rescinded.



FILED WITH SECRETARY OF STATE

ON 3/26/21 AT 9:58 A.M.

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