

DIN EN 16474:2015-08 (E)

Plastics and rubber machines - Tyre curing presses - Safety requirements

Contents		Page
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	8
4	List of significant hazards	12
4.1	General	12
4.2	General hazards	18
4.3	Hazards associated with specific machine parts or areas	18
5	Safety requirements and/or protective measures	20
5.1	General safety requirements and/or protective measures	20
5.2	Specific safety requirements and/or protective measures	21
5.2.1	Specific requirements for operation in production mode	21
5.2.2	Specific requirements for operations other than the production mode	53
5.2.3	Specific requirements for tyre curing machines with two cavities and independent curing cycles and independent safeguarding	54
5.3	Emergency stop function	54
5.4	Requirements for noise reduction	54
5.4.1	Main noise sources	54
5.4.2	Noise reduction at source by design	55
5.4.3	Noise reduction by protective measures	55
5.4.4	Information connected with noise hazards	55
6	Verification of the safety requirements and/or protective measures	55
7	Information for use	62
7.1	General	62
7.2	Instruction handbook	62
7.2.1	General	62
7.2.2	Exhaust system	62
7.2.3	Leakage of nitrogen	62
7.2.4	Hazards due to hot surfaces	62
7.2.5	Leakage of curing media from hoses and pipes	62
7.2.6	Non-permanent safe means of access	63
7.2.7	Maintenance operations	63
7.2.8	Fixation of the upper part of the container or mould	63
7.2.9	Machine parameters	63
7.2.10	Emergency stop and fluid discharge	63
7.2.11	Noise emission	63
7.3	Marking	64
7.4	Warning signs	64
Annex A (normative) Noise test code		65
A.1	Introduction	65

A.2	Measurement of the A-weighted emission sound pressure level at the operator's or other specified positions	65
A.2.1	Basic standards	65
A.2.2	Measurement procedure	65
A.2.3	Measurement uncertainty	66
A.3	Installation, mounting and operating conditions for noise emission measurement	66
A.4	Information to be recorded and reported	66
A.5	Declaration and verification of noise emission values	67
Annex ZA (informative)	Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC	70
Bibliography		71