

DIN EN 15067:2008-03 (E)

Plastics and rubber machines - Film converting machines for bags and sacks - Safety requirements

Contents		Page
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	7
3	Terms and definitions	8
4	List of significant hazards	11
4.1	General	11
4.2	General hazards	11
4.2.1	Mechanical hazards	11
4.2.2	Electrical hazards	11
4.2.3	Slipping, tripping and falling hazards	11
4.3	Unwind unit	12
4.4	Slit-welding unit	12
4.5	Gussetting unit	12
4.6	Lane deviation unit	12
4.7	Perforating and welding or cutting and welding units	12
4.8	Blocking unit	12
4.9	Pick-up and transfer units	13
4.10	Stacking unit	13
4.11	Punching unit	13
4.12	Folding unit	13
4.13	Winding unit	13
4.14	Labelling or taping unit	13
4.15	Handle and closure units	13
4.16	Draw tape insertion unit	13
4.17	Generators of electrostatic charge	13
4.18	Electrostatic discharge equipment	13
5	Safety requirements and/or protective measures	14
5.1	General	14
5.2	General requirements	14
5.2.1	Mechanical hazards	14
5.2.2	Electrical hazards	14
5.2.3	Slipping, tripping and falling hazards	15
5.2.4	Hazards due to noise	15
5.2.5	Thermal hazards	16
5.2.6	Fire hazards	16
5.2.7	Hazards during start-up and setting operations	16
5.3	Unwind unit	16
5.4	Slit-welding unit	17
5.5	Gussetting unit	17
5.6	Lane deviation unit	17
5.7	Perforating and welding or cutting and welding units	17
5.8	Blocking unit	18
5.9	Pick-up and transfer units	18
5.10	Stacking unit	18

5.11	Punching unit	19
5.12	Folding unit	19
5.13	Winding unit	19
5.14	Labelling or taping unit	19
5.15	Handle and closure units	19
5.16	Draw tape insertion unit	20
5.17	Generators of electrostatic charge	20
5.18	Electrostatic discharge equipment	20
6	Verification of the safety requirements and/or protective measures	20
7	Information for use	23
7.1	Minimum marking on the machine	23
7.2	Instruction manual	23
Annex A (normative) Noise test code		25
A.1	Introduction	25
A.2	Determination of the A-weighted emission sound pressure level at the workstation	25
A.3	Determination of the A-weighted sound power level	25
A.4	Mounting and operating conditions	26
A.5	Information to be recorded and reported	26
A.5.1	General	26
A.5.2	General data	26
A.5.3	Mounting and operating conditions	26
A.5.4	Standards	26
A.5.5	Noise data	26
A.6	Declaration and verification of noise emission values	27
Annex B (informative) Relationship between the hazards and the safety requirements and/or protective measures		28
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 98/37/EC		30
Annex ZB (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2006/42/EC		31
Bibliography		32