

TECHNINIŲ DUOMENŲ LAPAS / TECHNICAL DATA SHEET

Date : 2021-05-11

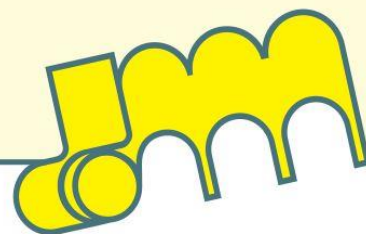
Produkto pavadinimas/product name : LDPE-tubular-film 60 x 0,050mm

Plėvelė struktūra/Film structure: Polyethylene PE

Kriterijai Purpose	Testo metodas Methode	Vienetai Unit	Rezultatai Result	Tolerancijos Tolerance
Bendras storis Total thickness		μ	50	+/- 5 %
Bendras svoris Weight per area		g/m ²	47,47	+/- 10 %
Tempimo jėga prie nutrūkimo SK. Tensile strenght at break TD.	ISO 527-3	MPa	18	+/- 10 %
Tempimo jėga prie nutrūkimo IŠ. Tensile strenght at break MD.	ISO 527-3	MPa	30	+/- 10 %
Pailgėjimas prie nutrūkimo SK. Elongation at break TD.	ISO 527-3	%	>500	+/- 10 %
Pailgėjimas prie nutrūkimo IŠ. Elongation at break MD.	ISO 527-3	%	>100	+/- 10 %
Pralaidumas (Dujos) Transmission rate (GAS)	DIN 53380 20 °C / 40 % RH	cm ³ /m ² -day- bar	O ₂ ≤1,9	
Pralaidumas (Vandens garų) Transmission rate (Water vapour)	DIN 53122 20 °C / 85 % RH	g/m ² -day	H ₂ O≤1,4	
Suvirinimo temperatūra Sealing temperature		°C	170-190	
Atsparumas temperatūrai Temperature resistance		°C	-40 iki / up to + 85 °C	
Sandėliavimo sąlygos (temperatūra) Storage condition (temperature)		°C	15-30	
Sandėliavimo sąlygos (drėgnumas) Storage condition (air humidity)		%	40-65	
Tinka sąlyčiui su maistu / Food law compliance				

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kad įmonėje gaminama produkcija, skirta liestis su maistu, atitinka šių norminių dokumentų reikalavimus/
production manufactured in the Company intended to come into contact with food is in conformity with the requirements of the following normative documents:

1. European Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food and repealing Directives 80/766/EEC, 81/432/EEC and 2002/72/EC (OJ 2011 L 12, p. 1);
2. Commission Regulation (EC) No 2023/2006 of 22 December 2006 on good manufacturing practice for materials and articles intended to come into contact with food. (OJ 2006 L 384, p.75);
3. Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC (OJ 2004 L 338, p. 4);
4. ISO 9001:2015 Standard
5. ISO 14001:2015 Standard
6. ISO 45001:2018 Standard.

Laboratoriniai tyrimai/Laboratory tests :

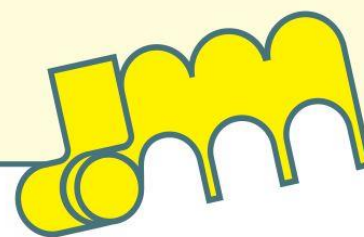
Bandymai buvo atlikti remiantis: / The tests were based on:/

- sąlyčio su maistu paviršiaus plotas / modelinio tirpalo tūris: 1,00 dm² / 100 ml. / food contact surface area/ food simulant volume : 1,00 dm²/100 ml.
- priimta įvertinti 6 dm² tūrio 1 kg maisto santykiu. / Adopted to evaluate contractual to volume ratio of 6 dm² for 1 kg of food.

Cheminių tyrimų protokolas Nr. /Chemical Research Protocol No. 229105/18/GDY

Test	Method	Food simulant	Test conditions	Unit	Result	Criteria	Parameter compliant/non compliant
*overall migration – food simulant B 2)3)	PN-EN-1186-1:2005	3% acetic acid	10 days at 40 °C	mg/dm ²	3,0 (2,8;3,1;3,0)	≤10	compliant
*overall migration – food simulant D1 2)3)	PN-EN 1186-1:2005	50% ethanol	10 days at 40 °C	mg/dm ²	2,8 (2,7;2,9;2,8)	≤10	compliant
# specific migration – stearic acid [CAS: 57-11-4; Ref:24550/89040] 2)4)	PB-5.6 ed. 10 of 10.06.2013	3% acetic acid	10 days at 40 °C	mg/kg	1,30 ±0,3	≤60	compliant
# specific migration – stearic acid [CAS: 57-	PB-5.6 ed. 10 of 10.06.2013	50% ethanol	10 days at 40 °C	Mg/kg	0,34 ±0,07	≤60	compliant

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11-4; Ref: 24550/89040] 2)4)							
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Sunkieji metalai/Heavy metals :

Cheminių tyrimų protokolas/Chemical Research Protocol No.229105/18/GDY

Test	Method	Food simulant	Test conditions	Unit	Result	Criteria	Parameter compliant/ non compliant
Barium		3% acetic acid	10 days at 40 °C	mg/kg	<0,0050	≤1	compliant
Zinc		3% acetic acid	10 days at 40 °C	mg/kg	0,0139	≤5	compliant
Aluminum		3% acetic acid	10 days at 40 °C	mg/kg	<0,050	≤1	compliant
Cobalt		3% acetic acid	10 days at 40 °C	mg/kg	<0,0050	≤0,05	compliant
Lithium		3% acetic acid	10 days at 40 °C	mg/kg	<0,0050	≤0,6	compliant
Manganese		3% acetic acid	10 days at 40 °C	mg/kg	<0,0050	≤0,6	compliant
Copper		3% acetic acid	10 days at 40 °C	mg/kg	0,0116	≤5	compliant
Nickel		3% acetic acid	10 days at 40 °C	mg/kg	<0,0050	≤0,02	compliant
Iron		3% acetic acid	10 days at 40 °C	mg/kg	0,0089	≤48	compliant

Sandėliavimas/Storage :

Gaminius reikia laikyti atokiau nuo tiesioginių saulės spindulių, esant 15–30°C temperatūrai, esant 40–65% santykinei oro drėgmei, mažiausiai 1 metro atstumu nuo šilumos šaltinių. Prieš naudojimą plėvelę reikia palaikyti darbinėje temperatūroje mažiausiai 24 valandas. / The articles should be stored in sheltered storage facilities away from direct sunlight at the temperature of 15-30° C , relative humidity of 40-65%, at least 1 meter away from heat sources. Before use, the film should be kept at the operating temperature for at least 24 hours.

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USt-Id-Nr. DE813499908
Geschäftsführer Patrick Mühlinghaus,
Markus Riehle (Einzelvertretungsberechtigt)

Bankverbindungen

Kreissparkasse Reutlingen
IBAN | DE59 6405 0000 0000 0374 51 | **BIC** SOLADES1REU
Commerzbank Reutlingen
IBAN | DE72 6408 0014 0303 9882 00 | **BIC** DRESDEFF640