



## PRODUCT SPECIFICATION - PET

Doc. No: SP-11-01 / Published Date: 21.12.2017 / Rev. No: 02 /Rev. Date: 03.02.2020

Product Code	MM.LHA159TIT.027
Product Description	Ø159 mm. LID FOR PAPER BOWL, PET, TRANSPARENT
Origin	Turkey
Ingredients	Polyethyleneterephthalate

### Physical Properties

Parameters	Unit	Value	Tolerance
Unit Weight	g	10	+/- 5%
Width	mm	0,2	-
Height	mm		-
Closing Diameter	mm		+/- 2%
Wall Thickness	micron	370	+/- 5%

### Chemical Properties

Parameters	Unit	Time-Temp.	Max Limit	Method
<b>Total Migration</b>				
FCM - Overall Migration of Total Non-volatile Substance in Plastic Materials - Simulant D1 (Ethanol 50%)	N.D. mg/kg	10 days 40°C	10	With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods; EN 1186-3:2002 aqueous food simulants by total immersion;
FCM - Overall Migration of Total Non-volatile Substance in Plastic Materials - Simulant B (Acetic acid 3%)	N.D. mg/kg	10 days 40°C	10	With reference to Commission Regulation (EU) No 10/2011 of 14 January 2011 Annex III and Annex V for selection of condition and EN 1186-1:2002 for selection of test methods; selection of condition and EN 1186-1:2002 for selection of test methods; EN 1186-3:2002 aqueous food simulants by total immersion; Simulant: 3% acetic acid (w/v) in aqueous solution
<b>Specific Migration of Heavy Metals</b>				
Aluminium	N.D. mg/kg	10 days 40°C	1	EN 13130-1:2004 – Analysis by ICP-MS / ICP-OES
Barium	N.D. mg/kg	10 days 40°C	1	EN 13130-1:2004 – Analysis by ICP-MS / ICP-OES
Cobalt	N.D. mg/kg	10 days 40°C	0,05	EN 13130-1:2004 – Analysis by ICP-MS / ICP-OES
Copper	N.D. mg/kg	10 days 40°C	5	EN 13130-1:2004 – Analysis by ICP-MS / ICP-OES
Iron	N.D. mg/kg	10 days 40°C	48	EN 13130-1:2004 – Analysis by ICP-MS / ICP-OES
Lithium	N.D. mg/kg	10 days 40°C	0,6	EN 13130-1:2004 – Analysis by ICP-MS / ICP-OES
Manganese	N.D. mg/kg	10 days 40°C	0,6	EN 13130-1:2004 – Analysis by ICP-MS / ICP-OES
Nickel	N.D. mg/kg	10 days 40°C	0,02	EN 13130-1:2004 – Analysis by ICP-MS / ICP-OES
Zinc	N.D. mg/kg	10 days 40°C	5	EN 13130-1:2004 – Analysis by ICP-MS / ICP-OES
<ul style="list-style-type: none"><li>Simulant: 3% acetic acid (w/v) in aqueous solution</li></ul> <p>The ratio of surface area to volume ratio is 6 dm<sup>2</sup> per 1 kg of foodstuff in contact with According to Regulation (EC) No 10/2011 materials and articles shall not transfer their constituents to foodstuffs in quantities exceeding 10 mg per 1 dm<sup>2</sup> of surface area of the packaging or 60 mg per 1 kg of foodstuff or food simulant (limiting value of</p>				

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the overall migration). The ratio of food contact surface area to volume used to establish the compliance of the article/s were 2dm<sup>2</sup>/100ml

- Recommended max. limit specified by Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.
- Test condition & simulant were specified according to Commission Regulation (EU) No 10/2011 of 14 January 2011 with amendments.
- N.D. : Not Detected

### Packaging Properties

Parameters	Unit	Value
Pcs/sleeve		50
pcs/box		300
Sleeve width	mm	280
Sleeve length	mm	740
Sleeve Unit Weight	g	9,18
Box width	mm	345
Box length	mm	482
Box height	mm	315
Box unit weight	g	386
Net Weight	g	3000
Gross Weight	g	3441
Cases Per Layer		4
Number of Layers		7
Total Cases Per Pallet		28
Pallet Height	mm	2335

### General Information

Transport	<ul style="list-style-type: none"><li>* Products must be referred without any pest, pest remains, glass, wood, wire etc. contamination.</li><li>* Vehicles must be cleaned before installation</li><li>* During transport, over the vehicle must be closed by polyethylene and sealed canvas, rain water infiltration must be avoided and must not be opened before</li></ul>
Storage	* It should be stored in original packaging in dry conditions away from sunlight. Max 30 °C, Humidity % 60
Labelling Information	Product code and description, parcel number, order number, operator name, date, shift, barcode number
Traceability	Box label

### Legal Requirements

#### EUROPEAN UNION

1. Regulation (EC) No 1935/2004 on materials and articles intended to come into contact with food and its amendments up to date of this document
2. Regulation (EC) No 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food and its amendments up to date of this statement
3. Regulation (EC) No 10/2011 on plastic materials and articles intended to come into contact with food and its amendments up to date of this document

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### **TURKISH FOOD CODEX**

1. Veterinary Services, Plant Health, Food and Feed Law (O.N. 27610/13.06.2010)- (O.N : 30616/5.12.2018)
2. Regulation on Food Hygiene (O.N. 28145/17.12.2011)
3. Turkish Food Codex Food Labeling and Consumer Information Regulation (O.N. 29960/26.01.2017)
4. Property of Materials and Food Contact Regulation on Good Manufacturing Practice and Registration Procedures (O.N. 28373/03.08.2012)- (O.N : 28547/02.02.2013)
5. Regulation on plastic materials and articles intended to come into contact with food (2019/44) (O.N. 30989/25.12.2019)
6. Regulation on the list of simulants used in migration test of plastic materials and articles intended to come into contact with food (2019/43) (O.N. 30989/25.12.2019)
7. Turkish Food Codex Regulation on Substances and Materials in contact with food (R.G. 30680 / 8.2.2019)
8. Regulation on Registration and Approval Procedures of Food Businesses (R.G. 30825 / 08.07.2019)

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