

DRAFT NEW REGULATION 27B, FOOD REGULATIONS 1985
(Plastic materials and articles)

Malaysia is proposing a new Regulation 27B, Food Regulations 1985 which prescribes that any plastic materials and articles that is intended to come into contact with food, already in contact with food or which can reasonably be expected to come into contact with food shall comply with the maximum proportion of release of chemical substances as prescribed under Table I and specific migration limit or total specific migration limit as prescribed under Table II of the Schedule.

In addition, the migration of the substances used in the production of plastic materials and articles into food or food stimulant shall not exceed 0.01 mg/kg food of food stimulant.

The proposed draft regulation also prescribes that plastic materials and articles shall be tested in accordance with Malaysia Standard MS 2234: Plastic Materials and Articles Intended to Come into Contact with Food. These Malaysian Standards may be purchased online at the following address - <http://www.msonline.gov.my>

MAXIMUM PROPORTION OF RELEASE OF CERTAIN SUBSTANCES
FROM PLASTIC MATERIALS AND ARTICLES

Table I

(1) Substances	(2) Maximum permitted proportion in mg/kg food or food simulant.
Barium	1
Cobalt	0.05
Copper	5
Iron	48
Lithium	0.6
Manganese	0.6
Zinc	25

SPECIFIC MIGRATION LIMIT FROM PLASTIC MATERIALS AND ARTICLES

Table II

(1) Substance	(2) Abbreviation	(3) CAS No.	(4) Specific or total migration limit in mg/kg food or food simulant.
Acrylonitrile	-	000107-13-1	ND
Bis(2-Ethylhexyl) Phthalate	DEHP	000117-81-7	1.5
Di-N-Butyl Phthalate	DBP	000084-74-2	0.3
Epoxidised soybean oil	ESBO	008013-07-8	60.0 30.0*
Formaldehyde	-	000050-00-0	15.0 ^{#(1)}
Hexamethylenetetramine	-	000100-97-0	15.0 ^{#(1)}
Maleic acid	-	000110-16-7	30.0 ^{#(2)}
Maleic anhydride	-	000108-31-6	30.0 ^{#(2)}
Phthalic acid, benzyl butyl ester	BBP	000085-68-7	30.0
Phthalic acid, diesters with primary, saturated C8-C10 branched alcohols, more than 60 % C ₉	DINP	068515-48-0 28553-12-0	9.0 ^{#(3)}
Phthalic acid, diesters with primary, saturated C9-C11 alcohols more than 90 % C ₁₀	DIDP	026761-40-0	9.0 ^{#(3)}
Primary aromatic amines	-	-	0.01
Semicarbazide	SEM	000563-41-7	0.02
2,4,6-triamino-1,3,5-triazine	MELAMINE	000108-78-1	30
Vinyl chloride	n/a	000075-01-4	0.01

Note:

(1), (2), (3) - total specific migration limit

*in case of PVC gaskets used to seal glass jars containing infant formula, follow-up formula, canned food for infant and young children and processed cereal based foods for infants and young children.