

11.05.2022

for the product group(s):

ASBC-High Barrier Shrink Bags
(PA/Ion/PA/EVOH/PA/PE shrink bags -unprinted-)

We confirm that the above mentioned plastic products comply with the following legal requirements or recommendations:

- Regulation (EC) 1935/2004, in particular Article 17 (traceability)
- Regulation (EC) 10/2011 including all current amendments/additions
- Regulation (EC) 2023/2006 (Good Manufacturing Practice-GMP)
- German Food and Feed Code (LFGB) §§30 and 31
- Recommendations of the Federal Institute for Risk Assessment, BfR (e.g. III PE, X PA)
- Directive 94/62/EC; US CONEG (Total concentration of heavy metals < 100 ppm)

Application conditions:

- a) Kinds of food, which is to come into contact with the material:
 - All kinds of food
- b) Kinds of food, which is not to come into contact with the material:
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- c) Duration and temperature of treatment and storage in contact with the food:
 - Each storage period under cooling and freezing conditions, including heating up to 70°C for a period of up to 2 hours (Depending on the respective technical application and the packaged product, variations in temperatures and times may be possible. However, this is to be tested in individual cases by the user.)

Conformity has been established by:

- Supplier Confirmations

Migration limits are respected under the following test conditions (6 dm² film/1 kg food)

Test	Simulant	Test conditions
Global Migration (OML)	10% Ethanol; 3 % acetic acid, veget.oil	10d/40°C

List of substances with specific migration limits (SML) and maximum residue levels (QM) and list of additives with limits in food ("dual use Additives"):

SML			
Substance	FCM-No.	CAS	SML(mg/kg)
Carbonic acid, salts	21	--	--
Phosphorous acid, tris(nonyl-and/or dinonylphenyl)ester	69	-	30
Ethylene oxide	129	75-21-8	0
Vinyliden fluoride	132	75-38-7	5
Acrylic acid	147	79-10-7	--
Caprolactam	212	105-60-2	15
Ethleneglycol	227	107-21-1	30
acetic acid, vinyl ester	231	108-05-4	12
Maleic anhydride	234	108-31-6	30
Diethleneglycol	263	111-46-6	30
1-Octene	264	111-66-0	15
hexafluoropropylene	282	116-15-4	N.N. (NG=0,01)
Isophthalic acid	291	121-91-5	5
hexamethylenediamine	305	124-09-4	2,4
2,6-di-tert-butyl-p-cresol	315	128-37-0	3
1-hexene	356	592-41-6	3
Zinc oxide	402	1314-13-2	5
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	433	2082-79-3	6
boric acid	584	10043-35-3	6
terephthalic acid	785	100-21-0	7,5
Zinc	-		5
Additive (dual use)			
Substance		CAS	E-No
Polyethyleneglycol		25322-68-3	1521
Boric acid		10043-35-3	284
Talc		14807-96-6	553b
Silicon dioxide		7631-86-9	551
2,6-di-tert-butyl-p-cresol		127-37-0	321
citric acid		77-92-9	330

The information on the substances with SML and on additives, which are also food additives and flavorings ("Dual Use Additives"), are based on information from our suppliers and represent our current state of knowledge.

Allergens/GMO

For the used spray powder (releasing agent) appropriate food legislation confirmations are given. Genetically modified organisms (GMO) and allergenic substances are not used in the manufacture of our products.

Halal/Kosher

In the production of our bags made of composite films, no components of animal origin or recycling materials are used. However we would like to point out, that some of alcohol or alcoholic cleaning agents have been used in some cases for cleaning purposes in our production facilities (but due to the evaporation of alcohol, no product contamination can be expected).

Other chemical substances

Our bags do not contain

- Plasticizers based on phthalates and/or adipates such as DEHP or DEHA, bisphenols such as BPA or BPS or polychlorinated biphenyls (PCBs)
- BADGE, BFDGE, NOGE acc. Regulation (EC) 1895/2005
- Photoinitiators (benzophenone, ITX etc.)
- Latexes, silicones, silicates
- PVC/PVDC

NIAS (not intentionally added substances)

According to a risk assessment to Article 19 of Regulation (EC) 10/2011 migration testings (10ppb screening) or assessments are carried out by the supplier of the processed films.

Nanomaterials

No nanostructured materials are used in the production of processed composite films.

MOSH/MOAH

Neither in the production of our processed composite films nor in the production of our bags mineral oil components are used as recipe components. Therefore, we can confirm that our products do not contain "Mineral oil saturated hydrocarbons" (MOSH) or "Mineral oil aromatic" (MOAH).

Recyclates

Recyclates acc. Regulation (EC) 282/2008 are not used.

REACH/SVHC

Substances of very high concern (SVHC) acc. Regulation (EC) 1907/2006 (REACH Regulation) in the current version are not or not > 0,1 mass percent included.

Adhesives/Solvent

In our products adhesives and/or solvents are not used.

Regulation (EC) 10/2011 provides guidelines for selecting the applicable test conditions for different foods. Subsequently the products mentioned above comply with the provisions of this Regulation for the packaging of the products with observance of the specified food-contact conditions. Beyond Regulation (EC) 10/2011 the user of our films should satisfy himself as to the suitability of our products for the intended application. Therefore we can assume no liability for damages caused by a lack of suitability of our products for the used filling goods.

We pursue new releases and changes in all relevant laws and regulations that are related to the production and use of our products and adapt our documents automatically accordingly for the information of our customers.

Our company is certified to the BRCGS Packaging.

allfo GmbH & Co. KG
-Regulatory Affairs-



i.A. Dieter Öfner