

05.02.2025

for the product group(s):

**Side seal bags**  
(PA/PE side seal bags, transparent or coloured in blue or black -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)
- Verordnung des EDI über Bedarfsgegenstände 817.023.21 -Switzerland-

Application conditions:

- a) Kinds of food, which is to come into contact with the material:
  - Fatty, aqueous, acidic and dry goods
- b) Kinds of food, which is not to come into contact with the material:
  - Alcoholic goods (after corresponding practical test)
- 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, e.g. FDS 176.170, table 2(C-G) -no cooking, no sterilization. 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 dm<sup>2</sup> film/1 kg food)

Test	Simulant	Test conditions
Global Migration (OML)	3 % acetic acid; 10% Ethanol; Olive oil	10d/40°C
Screening (SML)	95% Ethanol	10d/40°C

The global migration value for the selected conditions is below the required limit of 10 mg/dm<sup>2</sup> according to VO(EG)10/2011.

During screening, no SML substances exceed the required limit according to VO(EG)10/2011 for the selected measurement conditions.

# Declaration of Conformity

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	Ref.-Nr	CAS	SML(mg/kg)
Stoff	14200	105-60-2	15
caprolactam	68320	2082-79-3	6
octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	15274	124-09-4	2,4
hexamethylenediamine	10120	108-05-4	12
acetic acid, vinyl ester	-----	471-34-1	N/A
Calciumcarbonate	14680	77-92-9	60
citric acid	-----	-----	60
Calcium salts of fatty acids	-----	1592-23-0	60
Calcium Stearat	13326	111-46-6	30
diethyleneglycol	17020	75-21-8	QM 1mg/kg; DL 0,01 mg/kg
ethylene oxide	16990	107-21-1	30
ethyleneglycol	-----	-----	1,2
N,N Bis (2-hydroxy-ethyl) alkyl(C8-C18) Amin	23590	25322-68-3	60
polyethyleneglycol	79040	9005-64-5	60
polyethyleneglycol sorbitan monolaurate	-----	8046-74-0	60
potassium salts of fatty acids	-----	-----	60
sodium salts of fatty acids	83470	14808-60-7	60
quartz	86240	7631-86-9	N/A
silicon dioxide	92080	14807-96-6	60
talc	17005	151-56-4	NN (NG=0,01 mg/kg)
ethyleneimine	77708	-----	1,8
polyethyleneglycol (EO = 1-50) ethers of linear and branched primary (C8-C22)	-----	-----	-----
alcohols	18820	592-41-6	3
1-hexene	19960	108-31-6	30
maleic anhydride	18430	116-15-4	N.N. (NG=0,01)
hexafluoropropylene	26140	75-38-7	5
vinylidene fluoride	25120	116-14-3	0,05
tetrafluoroethylene	19150	121-95-5	5
isophthalic acid	20410	2082-81-7	0,05
methacrylic acid, diester with 1,4- butanediol	96240	1314-13-2	5
zinc oxide	52720	112-84-5	60
erucamide	16950	74-85-1	60
ethylene	-----	1314-13-2	5
Zinc (calculated as zinc oxide)	-----	-----	1
aluminium	53520	110-30-5	60
N,N'-ethylenebisstearamide	89040/24550	57-11-4/557-05-1	5
stearic acid	22660	111-66-0	15
1-Octene	80000	9002-88-4	60
polyethylene wax	10060	75-07-0	---
acetaldehyde	---	---	5
copper	93760	77-90-7	60
tri-n-butyl acetyl citrate	13380/25600	77-99-6	6
1,1,1-trimethylolpropane	24910	100-21-0	7,5
terephthalic acid	19150	121-91-5	5
isophthalic acid	---	8002-74-2	No limit
Refined waxes derived from petroleum-derived raw materials or synthetic hydrocarbons, high viscosity	---	26523-78-4	30
Tris phosphite (nonyl-and/or dinonylphenyl)	---	---	---
<b>Additive (dual use)</b>	<b>Ref.-Nr</b>	<b>CAS</b>	<b>E-Nr.</b>
Substance	93520	10191-41-0	307
α-tocopherol	76960	25322-68-3	1521
polyethyleneglycol	79040	9005-64-5	432
polyethyleneglycol sorbitan monolaurate	86240	7631-86-9	551
silicon dioxide	92080	14807-96-6	553b
talc	83470	14808-60-7	551
quartz	14680	77-92-9	330
citric acid	42500	471-34-1	170
carbonic acid, salts	---	---	470a
Calcium, sodium-potassium salts of fatty acids	24550/89040	57-11-4	-----
stearic acid	---	---	---
<b>Other Substances (without restrictions)</b>			
Substance			
Potato Starch (spray powder)			

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

Genetically modified organisms (GMO) and allergenic substances are not used in the manufacture of our products.

## 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
- PFOA/PFOS

Our bags comply with the restrictions listed in Annex II of Regulation (EC) 10/2011 for metals and primary aromatic amines (PAA).

## NIAS (not intentionally added substances)

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

## Nano materials

During bag production made of processed multilayer films no substances with nano structure are used.

## 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) 1616/2022 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.

## Certification

- BRCGS packaging
- Halal
- Kosher

allfo GmbH & Co.KG  
-Regulatory Affairs-

(This document is made automatically and valid without signature)

Technisches Datenblatt  
Technical Data Sheet



<b>Version</b> Version	004-2023	<b>vom</b> of	30.05.2023	<b>ersetzt Version</b> replaces version	003-2021
---------------------------	----------	------------------	------------	--	----------

<b>Bezeichnung</b> Description	<b>PA/PE Siegelrandbeutel / PA/PE Side Seal Bags</b>										
-----------------------------------	--	--	--	--	--	--	--	--	--	--	--

Eigenschaften Properties	Einheit Unit	Toleranz Tolerance	Werte/Data										Testmethode Test method
			50	70	75	90	100	130	150	170	220		
Dicke Thickness	µm	+/-10%	50	70	75	90	100	130	150	170	220	i.A. a. DIN 53370	
Flächengewicht ohne Druck Substance excl. printing	g/m <sup>2</sup>	+/-10%	49	69	72	83	97	117	140	162	210	i.A. a. DIN ISO 2286-2	
Siegelbereich von/bis <sup>*1)</sup> Sealing from/up to <sup>*1)</sup>	°C		100-180						120-170				
Temperaturbeständigkeit von/bis <sup>*1)</sup> Suitable for temperature from/up to <sup>*1)</sup>	°C								-25/+70			max. 2 Std. hour(s)	
Sauerstoffdurchlässigkeit <sup>*2)</sup> Oxygen permeability <sup>*2)</sup>	cm <sup>3</sup> /m <sup>2</sup> xbarx24 h (75 %r.h.) ≤		133	80	106	80	80	64	64	40	32	DIN 53380	
	cm <sup>3</sup> /m <sup>2</sup> xbarx24 h (50 %r.h.) ≤		93	56	75	56	56	45	45	28	22		
Stickstoffdurchlässigkeit <sup>*2)</sup> Nitrogen permeability <sup>*2)</sup>	cm <sup>3</sup> /m <sup>2</sup> xbarx24 h (0 % r.h.) ≤		16	9	12	9	9	7	7	5	4	ISO 15105-1/ DIN 53380-2	
Kohlendioxid durchlässigkeit <sup>*2)</sup> Carbon dioxide permeability <sup>*2)</sup>	cm <sup>3</sup> /m <sup>2</sup> xbarx24 h (0 % r.h.) ≤		290	174	232	174	174	139	139	87	70	DIN 53380	
Wasserdampfdurchlässigkeit <sup>*2)</sup> Water vapour permeability <sup>*2)</sup>	g/m <sup>2</sup> x bar x 24 h (85% r.h.) ≤		4	3	3	3	2	2	1	1	1	DIN 53122	
Funktionalität bei Lagerung von Functionality by storage at	18-25°C und/and 40-60%r.F./RH										mind. 12 Monate min. 12 months		
Mikrowellenanwendung <sup>*3)</sup> Microwave application <sup>*3)</sup>			ja	Im Rahmen der o.g. Temperaturbereiche									
			yes	within the above mentioned temperature ranges									
Erstellt am Issued at	05.02.25	Geprüft durch Approved by									QM		

\*1) Temperatur- und Zeitangaben sind Erfahrungswerte (abhängig von der jeweiligen Anwendung sowie des verpackten Produktes können Abweichungen bei Temperaturen und insbesondere den Zeiten möglich sein. Dies ist jedoch im Einzelfall vom Anwender zu testen.) Bitte beachten Sie bei Tiefkühlung, dass die Beutel bzw. Packungen durch das gefrorene, harte Produkt anfälliger für Knickbrüche und Beschädigungen, insbesondere durch Stoßeinwirkung von außen bzw. durch das anschließende Handling sind. Diese Einwirkungen von außen liegen nicht in unserem Verantwortungsbereich. \*2) Berechnete Werte auf Basis von Untersuchungen (innoform-Berichte BA14301/23.01.2014, BA21884/19.04.18.) \*3) Migrationsseitig im Rahmen der angegebenen Temperaturbereiche geeignet. Anwendungsbedingt können jedoch lokale Überhitzungen (hot spots) entstehen, die den o.g. Temperaturbereich deutlich übersteigen. Ebenso kann in Packungen durch Wasserdampf Überdruck entstehen. Die Eignung dieser Folie für die geforderten Bedingungen muss daher zwingend in Anwendungstests erprobt bzw. überprüft werden. Alle Angaben sind ca.-Werte. Sie entsprechen unserem aktuellen Kenntnisstand. Eine Verbindlichkeit kann daraus nicht abgeleitet werden. Dieses Datenblatt ist gültig bis auf Widerruf.

\*1) Information about temperature and time are based on experienced data (depending on the respective use as well as the packed product divergences are possible at temperatures and in particular the times. Nevertheless, this is to be tested in particular cases by the user.) Please note in case of freezing that bags/packaging are more susceptibly for breaks and damages, in particular through impact influence from the outside and/or by handling. These effects do not lie in our responsibility. \*2) Calculated data based on testings (innoform-reports BA14301/23.01.2014, BA21884/19.04.18.) \*3) Suitable for migration within the specified temperature ranges. However, local overheating (hot spots) that clearly exceed the above temperature range can occur due to the application. Likewise, overpressure can occur in the packing due to water vapour. The suitability of this film for the required conditions must therefore be tested in application tests. All data are approximate values. They correspond to our current knowledge. Obligation cannot be derived. This datasheet is valid until further notice.

alfo GmbH & Co.KG

(Dieses Dokument wurde maschinell erstellt und ist ohne Unterschrift gültig)  
(This document is made automatically and valid without signature)

alfo GmbH & Co.KG  
Dieselstraße 9  
D-87448 Waltenhofen  
ID: DE181209978 Reg.gericht:  
Kempten HRA 3416

T +49(0)831 540 563-0  
F +49(0)831 540 563-50  
Ust- info@alfo.de  
www.alfo.de

HypoVereinsbank Kempten  
IBAN: DE85 7332 0073 0002 0886 90  
BIC: HYVEDEMM428

Komplementär: alfo Verwaltungs GmbH  
Sitz: Waltenhofen  
Registergericht: Kempten HRB 15546  
Geschäftsführer: Peter Hotz