

BIO Extrusion

FILM BIO S0991

General Informations

All formulations of our films **S0991** are made from polymeric resins extracted both from biomass and from synthetic polymers made from bi-derived monomers and microorganisms.

The major advantages are:

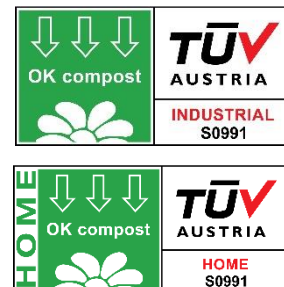
- ❖ High content of natural (renewable) resource raw materials
- ❖ Outstanding mechanical properties (similar to LDPE and EVA depending on the grade)
- ❖ Wide processing window
- ❖ Printability without corona treatment

Certification of Compostability and Biodegradability

Our film **S0991** is a Biodegradable & compostable compound that contains mineral filler but does not contain starch.

Available certificates:

CERTIFICATION BODY	NORM/CERTIFICATION
TUV AUSTRIA CERT GMBH	OK COMPOST INDUSTRIAL (EN 13432) OK COMPOST HOME



This brand ensures the absence of heavy metals and harmful substances in all SI38 formulations. An excellent disintegration of the manufactured products and the ecotoxicity of the humus are assured and certified. The biodegradability of at least 90% is guaranteed within six months.

Application

Film bio **S0991** is specially developed for various kinds of packaging and carrier bags production.

Technical Information

Classification Test Items	Test Method	Unit	Results
Mass Density	ISO 1183	g/cm ³	1,24 ± 0.02
MFI (190 °C, 2.16 Kg, 10 min)	ISO 1133	190°C/10min	4,0 – 7,0
Moisture Content	AQUATRAC	%	< 0.1
Tensile Strength - MD -	ISO 527	Mpa	35,7
Tensile Strength - TD -	ISO 527	MPa	25,7
Tensile Elongation – MD -	ISO 527	%	250
Tensile Elongation – TD -	ISO 527	%	610
Impact Resistance	UNI EN ISO 7765-1:2005	g	173
Static Load Resistance	U I 11415:2011	type	B
Dynamic Load Resistance	UNI 11415:2011	t pe	B
Elmendorf – MD -	UNI E ISO 6383-2:2005	N	0,4
Elmendorf – TD -	UNI EN ISO 6383-2:2005	N	2,3

Disclaimer

The information contained in this Product Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The information provided herein is based on technical data that Bio Extrusion srl believes to be reliable, however Bio Extrusion srl makes no representation or warranty as to the completeness or accuracy therefore and Bio Extrusion srl assumes no liability resulting from its use or for any claims, losses, or damages of any third party. Recipients receiving this information must exercise their own judgement as to the appropriateness of its use, and it is the user's responsibility to assess the material's suitability (including safety) for a particular purpose prior to such use.



BIO Extrusion

Sede Legale: Via Mameli, 184-09123 Cagliari

Sede Operativa: Via Taglio Sinistro, 61/U, 30035 Mirano (VE)

P.I & C.F.: 03839450925 - Tel. 041/4761267

Mirano, Annex 2020

STATEMENT

Bio Extrusion S.r.l. hereby Declares:

All BioComp formulations do not intentionally use the following substances:

- PHTHALATES ⁽¹⁾
- BISPHENOL A ⁽²⁾
- PBDE ⁽³⁾
- LATEX
- BIOCIDES ⁽⁴⁾
- BSE / TSE ⁽⁵⁾
- BADGE ⁽⁶⁾
- BFDGE ⁽⁷⁾
- MOAH ⁽⁸⁾
- MOSH ⁽⁹⁾
- RECYCLED MATERIALS
- ALLERGENES ⁽¹⁰⁾
- OMG ⁽¹¹⁾
- NANOPARTICLES

(1) Bio Extrusion S.r.l. can confirm that in BioComp formulations are not used these Phthalates:

- DMP: Dimethyl Phthalate; CAS: 131-11-3
- DEP: Diethyl Phthalate; CAS: 84-66-2
- DEHP : Bis(2-ethylhexyl)phthalate; CAS: 117-81-7
- BBP : Butyl Benzyl Phthalate; CAS:85-68-7
- DBP: Dibutyl Phthalate; CAS: 84-74-2
- DIBP: Disobutyl Phthalate, CAS: 84-69-5
- BMEP: Bis-(2-metoxylethyl)phthalate, CAS: 117-82-8
- DIDP: Di-iso-decyl Phthalate, CAS: 26761-40-0 and 68515-49-1
- DINP: Di-iso-nonyl Phthalate, CAS: 28553-12-0 and 68515-48-0
- DIPP: Di-iso-pentyl Phthalate, CAS: 605-50-5
- DIOP: Di-iso-ottyl Phthalate, CAS: 27554-26-3



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- (2) 2,2- Bis(4-hydroxyphenyl)propane, CAS: 80-05-7
- (3) PolyBrominated Diphenyl Ethers
- (4) Bio Extrusion S.r.l. can confirm that in BioComp formulations are not used Biocidal Products as required by EU 528/2012
- (5) Bio Extrusion S.r.l. can confirm that no animal derived materials falling under the scope of the EMEA 410/01 rev. 3, "Note for guidance on minimizing the risk of transmitting animal spongiform encephalopathy agents via human and veterinary medicinal products", has been used in BioComp formulations manufacture
- (6) 2,2-bis(4-hydroxyphenyl)propane bis(2,3 – epoxypropyl)ether, CAS: 1675-54-3
- (7) Bis(hydroxyphenyl)methane bis(2,3 – epoxypropyl)ether, CAS: 39817-09-9
- (8) Mineral Oil Aromatic Hydrocarbons
- (9) Mineral Oil Saturated Hydrocarbons
- (10) Bio Extrusion S.r.l. can confirm that no Allergens (eggs, milk, peanut, soy, wheat, fish, shellfish, nuts, mustard, sesame, sulphites, celery...) are added in BioComp formulations. In general, the Allergens listed in Annex II of Regulation 1169/2011 of October 2011 are not expected to be present in BioComp

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