

# Intralox belt

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**Intralox, L.L.C.**

P.O. Box 50699, New Orleans, LA 70150-0699, U.S.A.  
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Issue Date: June 26, 2019

Dear Valued Customer,

The following is in response to your request regarding the material Intralox uses in the manufacture of finished articles intended for food contact use:

<b><u>Product:</u></b>	<b>Acetal (33103)</b>
<b><u>Colorant:</u></b>	<b>35270 (Orange), 35280 (Black), 35290 (Yellow), 35260 (Grey), 35221 (Blue), 35218 (White)</b>
<b><u>Intended Application(s):</u></b>	<b>Contact with all food types including short term contact (&lt;15 minutes) at temperatures up to 100 degrees C.</b>

**FDA**

Our supplier has notified us in writing that the above material complies with the FDA Regulation 21CFR 177.2470, the applicable FDA polyoxymethylene regulation. This regulation describes polymers that may safely be used for the manufacture of articles that come into direct contact with food.

Our supplier has notified us in writing that the colorants comply with one or more of the following FDA Regulations and is suitable for use in direct food contact applications:

- 21CFR 178.3297 - *Colorants for Polymers.*
- Components that are exempt from regulation under 21 CFR 170.39 - *Threshold of Regulation for Substances Used in Food Contact Articles.*
- Substances that, based upon legal opinion, supplier certification, and/or extraction results from food-simulating solvents, are not food additives and are acceptable for this application in full compliance with the Federal Food, Drug and Cosmetic Act and all applicable food additive regulations.
- Substances that are GRAS (Generally Recognized as Safe) for direct addition to food or for use in contact with food.
- Substances that are "Prior Sanctioned" for use in this application.

The finished article may be used in repeat use applications in contact with all food types as described in 21 CFR 176.170(c), Table 1, under Conditions of Use A through H as described in 21 CFR 176.170(c), Table 2 with the following restrictions: Belting cannot be used with food containing >15% alcohol. Use temperature shall not exceed 250 degrees F.

Since the above material complies with the applicable FDA regulations, it should be chemically acceptable to the USDA for repeat use applications in slaughtering, processing, transporting and storage areas in direct contact with meat or poultry products.

### **Canada**

Intralox finished articles comply with Part B Division 23 of the Canadian Food and Drug Regulations. Intralox will provide all supporting compliance documents to the Canadian Food Inspection Agency (CFIA) upon request.

### **European Commission**

Intralox finished articles comply with:

- a. **1935/2004/EC:** Materials and Articles intended to come into contact with food, including Article 3 (General Requirements) and Article 17 (Traceability).
- b. **2023/2006/EC:** Good Manufacturing Practice Regulation for materials and articles intended to come into contact with food. The finished articles are manufactured under a quality assurance system that meets the requirements of this regulation.
- c. **Regulation (EU) No.10/2011** on Plastic Materials and Articles Intended to Come into Contact with Food, including amendments 1282/2011, 1183/2012, 202/2014, 2015/174, 2016/1416 and 2017/752. Monomers, additives and other starting substances are all included in the Union List of authorized substances. A Declaration of Compliance is attached as a separate document.
- d. **Regulation (EC) No.1895/2005.** Intralox, L.L.C., does not intentionally use any BADGE, BFDGE or NOGE material in the manufacturer of articles intended to come into contact with food.
- e. **94/62/EC** regarding concentration levels of heavy metals in packaging: The sum of the concentrations of lead, mercury, cadmium and hexavalent chromium is less than 100 ppm by weight.

### **Brazil**

Intralox finished articles comply with Resolution 105/1999 (harmonized with GMC 56/92), RDC 56/2012 (harmonized with GMC 02/12), and RDC 17/2008 (harmonized with GMC 32/07). The pigments used in this product comply with RDC 52/10 (harmonized with GMC 15/10).

### **Other**

- a. **CONEG** (Coalition of Northeastern Governors) Model Legislation regarding heavy metals content: The sum of the concentrations of lead, mercury, cadmium and hexavalent chromium is less than 100 ppm by weight.
- b. **Latex:** Intralox does not intentionally use latex or natural rubber materials as plasticizers, additives or raw materials in the belt manufacturing process.
- c. **Phthalates:** Intralox does not intentionally use Butyl benzyl phthalate (BBP), dibutyl phthalate (DBP), di(2-ethylhexyl) phthalate (DEHP), Diisononyl phthalate (DINP), Di-n-octyl phthalate (DNOP), or Diisodecyl phthalate (DIDP) as plasticizers, additives or raw materials in the belt manufacturing process.

- d. **Bisphenol A:** Intralox does not intentionally use Bisphenol A (BPA) as an additive or a raw material in the belt manufacturing process.
  
- e. **Silicone:** Intralox does not use low molecular weight silicone in the belt assembly process. We mold polymers containing high molecular weight silicone, and we have identified suppliers that may use silicone in their production process. If you need specific information or an updated list of products that may be manufactured with silicone, please contact your Customer Service Representative.

This guarantee is ongoing, generic and is not limited to a specific shipment. It will continue until revoked in writing by Intralox. An updated statement will be provided if the information on which the declaration is based changes or regulatory requirements impact its validity. Intralox believes this information to be accurate and consistent with existing laws, regulations and standards as they apply to Intralox products on the date this letter was issued. Intralox does not warrant that its products conform to any laws, regulations and standards relating to public safety, worker safety, safety guards, sanitation safety, fire safety or any other safety regulations. Customers should not rely exclusively on this information and should consult the relevant agency or regulatory body.



Gloria Bowman, Product Stewardship Manager  
Intralox, L.L.C.  
[gbowman@laitram.com](mailto:gbowman@laitram.com)



## EU Declaration of Compliance

### Plastic Materials Intended to Come Into Contact with Food

<b>Product:</b>	Acetal (33103)
<b>Colorant:</b>	35270 (Orange), 35280 (Black), 35290 (Yellow), 35260 (Grey), 35221 (Blue), 35218 (White)
<b>Intended Application(s):</b>	Contact with all food types including short term contact (<15 minutes) at temperatures up to 100 degrees C.

This product is in conformity with the applicable requirements of the following regulations:

- (EC) No.1935/2004 on Materials and Articles intended to come into contact with food.
- No. 2023/2006/EC on Good Manufacturing Practice for materials and articles intended to come into contact with food.
- (EU) No. 10/2011 on plastic materials and articles intended to come into contact with food (including amendments).

**Migration Testing:** Data obtained on representative samples of the finished article.

**Overall Migration:** OM3, 3 x 2 hours at 70°C or equivalent, repeat use.

Test Simulant	Migration (mg/dm <sup>2</sup> )	Mean (mg/dm <sup>2</sup> )	EU Limit (mg/dm <sup>2</sup> )
10% ethanol (Simulant A)	<0.16, <0.16, <0.16	<0.2	10
3% acetic acid (Simulant B)	4.4, 4.8, 5.8	5.0	10
95% ethanol (Simulant D2 vegetable oil substitute)	0.8, 0.6, 0.5	0.6	10 - 50 (depending on fatty food reduction factor)

**Specific Migration:** (6 dm<sup>2</sup>/ belting/kg food)

The following substances used in the manufacture of the product are subject to SML or Q<sub>m</sub> restrictions:

Substance	FCM No.	PM Ref. No.	SML (mg/kg)
Formaldehyde	98	17260	15
1,3,5-Trioxane	255	25900	5
Dioxolane	363	16450	5
Triethyleneglycol bis[3-(tert-butyl-4-hydroxy-5-methylphenyl) propionate]	680	94400	9
N,N'-Hexamethylene bis[3-(3,5-di-t-butyl-4-ydroxyphenyl)propionamide]	631	59120	45
Proprietary substance			6

Under the above testing conditions, levels of specific migration do not exceed the permitted limits (limit of detection for formaldehyde and 1,3,5 trioxane in 10% ethanol is <0.05mg/kg).

#### **Dual Use Food Additives:**

No dual use food additives or authorized food flavorings covered respectively by regulation (EC) No. 1333/2008 or Regulation (EC) No. 1334/2008 or their implementing measures are understood to be used in the manufacture of the belting.

**Colorant:** The colorant used meets the requirements of the Council or Europe Resolution AP (89)1 on the use of colorants in plastic materials coming in to contact with food.

**This Declaration was issued 26-Jun-19. Updated statements will be provided if the declaration's validity is affected by changes in the information or regulatory requirements.**

Gloria Bowman, Product Stewardship Manager  
[gbowman@laitram.com](mailto:gbowman@laitram.com)

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Issue Date: June 26, 2019

Dear Valued Customer:

The following is in response to your request regarding the material Intralox uses in the manufacture of finished articles intended for food contact use:

<b><u>Product:</u></b>	<b>Acetal (33870)</b>
<b><u>Colorant:</u></b>	<b>White (35218), Grey (35220), Blue (35221)</b>
<b><u>Intended Application(s):</u></b>	<b>Contact with all food types including short term contact (&lt;15 minutes) at temperatures up to 100 degrees C.</b>

**US FDA**

Our supplier has notified us in writing that the above material complies with the FDA Regulation 21CFR 177.2470, the applicable FDA polyoxymethylene regulation. This regulation describes polymers that may safely be used for the manufacture of articles that come into direct contact with food.

Our supplier has notified us in writing that the colorants comply with one or more of the following FDA Regulations and is suitable for use in direct food contact applications:

- 21CFR 178.3297 - *Colorants for Polymers.*
- Components that are exempt from regulation under 21 CFR 170.39 - *Threshold of Regulation for Substances Used in Food Contact Articles.*
- Substances that, based upon legal opinion, supplier certification, and/or extraction results from food-simulating solvents, are not food additives and are acceptable for this application in full compliance with the Federal Food, Drug and Cosmetic Act and all applicable food additive regulations.
- Substances that are GRAS (Generally Recognized as Safe) for direct addition to food or for use in contact with food.
- Substances that are "Prior Sanctioned" for use in this application.

The finished article may be used in repeat use applications in contact with all food types as described in 21 CFR 176.170(c), Table 1, under Conditions of Use A through H as described in 21 CFR 176.170(c), Table 2 with the following restrictions: Belting cannot be used with food containing >15% alcohol. Use temperature shall not exceed 250 degrees F.

Since the above material complies with the applicable FDA regulations, it should be chemically acceptable to the USDA for repeat use applications in slaughtering, processing, transporting and storage areas in direct contact with meat or poultry products.

### **Canada**

Intralox finished articles comply with Part B Division 23 of the Canadian Food and Drug Regulations. Intralox will provide all supporting compliance documents to the Canadian Food Inspection Agency (CFIA) upon request.

### **European Commission**

Intralox finished articles comply with:

- a. **1935/2004/EC**: Materials and Articles intended to come into contact with food, including Article 3 (General Requirements) and Article 17 (Traceability).
- b. **2023/2006/EC**: Good Manufacturing Practice Regulation for materials and articles intended to come into contact with food. The finished articles are manufactured under a quality assurance system that meets the requirements of this regulation.
- c. **Regulation (EU) No.10/2011** on Plastic Materials and Articles Intended to Come into Contact with Food and all amendments up to and including 2018/79. Monomers, additives and other starting substances are included in the Union List of authorized substances. The finished article was tested according to the regulation. A Declaration of Compliance is attached as a separate document.
- d. **Regulation (EC) No.1895/2005**. Intralox, L.L.C., does not intentionally use any BADGE, BFDGE or NOGE material in the manufacturer of articles intended to come into contact with food.
- e. **94/62/EC** regarding concentration levels of heavy metals in packaging: The sum of the concentrations of lead, mercury, cadmium and hexavalent chromium is less than 100 ppm by weight.

### **Brazil**

Intralox finished articles comply with Resolution 105/1999 (harmonized with GMC 56/92), RDC 56/2012 (harmonized with GMC 02/12), and RDC 17/2008 (harmonized with GMC 32/07). The pigments used in this product comply with RDC 52/10 (harmonized with GMC 15/10).

### **Australia**

#### **Australian Standard A2070-1999**

Australian Standard A2070-1999, Plastics materials for food contact use, Section 4 "General Requirements for New Plastics Materials and Rework Materials" states, "New plastics materials used in the manufacture of plastics items for food contact use shall comply with the following: (a) The relevant regulations in the United States of America Food and Drugs Administration as set out in the Code of Federal Regulations 21 C.F.R. Parts 170 to 199 and any subsequent amendments and revisions; (b) the relevant European Commission directives for materials and articles intended to come into contact with foodstuffs as set out by Commission Directives 89/109/EEC (Framework Directive) and 2002/72/EEC (Plastics Directive)." Since this material complies with both the FDA regulation and the EU Regulation it is considered compliant with the requirements of the Australian Standard.

### China

- a. **GB4806.1-2016:** Intralox finished articles comply with the “National food safety standard – General safety requirements of food contact materials and articles.”
- b. **GB9685-2016:** The acetal resin complies with the “National food safety standard – Standard for Use of Additives in Food Contact Materials and Products.
- c. **GB 4806.6:** The acetal resin complies with the “National food safety standard – Plastic resins for food contact use.”
- d. **GB4806.7:** The composition of Intralox finished articles comply with the “National food safety standard – Food Contact Plastic Material and Articles.” Finished articles are currently being tested.

### Other

- a. **CONEG (Coalition of Northeastern Governors) Model Legislation** regarding heavy metals content: The sum of the concentrations of lead, mercury, cadmium and hexavalent chromium is less than 100 ppm by weight.
- b. **Latex:** Intralox does not intentionally use latex or natural rubber materials as plasticizers, additives or raw materials in the belt manufacturing process.
- c. **Phthalates:** Intralox does not intentionally use Butyl benzyl phthalate (BBP), dibutyl phthalate (DBP), di(2-ethylhexyl) phthalate (DEHP), Diisononyl phthalate (DINP), Di-n-octyl phthalate (DNOP), or Diisodecyl phthalate (DIDP) as plasticizers, additives or raw materials in the belt manufacturing process.
- d. **Bisphenol A:** Intralox does not intentionally use Bisphenol A (BPA) as an additive or a raw material in the belt manufacturing process.
- e. **Silicone:** Intralox does not use low molecular weight silicone in the belt assembly process. We mold polymers containing high molecular weight silicone, and we have identified suppliers that may use silicone in their production process. If you need specific information or an updated list of products that may be manufactured with silicone, please contact your Customer Service Representative.

This guarantee is ongoing, generic and is not limited to a specific shipment. It will continue until revoked in writing by Intralox. An updated statement will be provided if the information on which the declaration is based changes or regulatory requirements impact its validity. Intralox believes this information to be accurate and consistent with existing laws, regulations and standards as they apply to Intralox products on the date this letter was issued. Intralox does not warrant that its products conform to any laws, regulations and standards relating to public safety, worker safety, safety guards, sanitation safety, fire safety or any other safety regulations. Customers should not rely exclusively on this information and should consult the relevant agency or regulatory body.



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## EU Declaration of Compliance

### Plastic Materials Intended to Come Into Contact with Food

<b>Product:</b>	Acetal (33870)
<b>Colorant:</b>	White (35218), Grey (35220), Blue (35221),
<b>Intended Application(s):</b>	Contact with all food types including short term contact (<15 minutes) at temperatures up to 100 degrees C.

This finished article complies with the applicable requirements of the following regulations:

- (EC) No.1935/2004 on Materials and Articles intended to come into contact with food, including Article 3 (General Requirements) and Article 17 (Traceability).
- No. 2023/2006/EC on Good Manufacturing Practice for materials and articles intended to come into contact with food.
- (EU) No. 10/2011 on plastic materials and articles intended to come into contact with food (including amendments).

**Migration Testing:** Data obtained on representative samples of the finished article.

**Overall Migration:** OM3, 3 x 2 hours at 70 degrees C or equivalent, repeat use.

Test Simulant	Migration (mg/dm <sup>2</sup> )	Mean (mg/dm <sup>2</sup> )	EU Limit (mg/dm <sup>2</sup> )
10% ethanol (Simulant A)	0.88, 1.18, 0.44, 1.47	1.0	10
3% acetic acid (Simulant B)	1.76, 2.65, 1.62, 1.62	1.9	10
95% ethanol (Simulant D2 vegetable oil substitute)	0.44, 1.91, 1.47, 0.59	1.1	10 - 50 (depending on fatty food reduction factor)

**Specific Migration:** The following substances with specific migration (SML) restrictions are associated with the article. Compliance with SML limits has been established by calculation or testing:

(6 dm<sup>2</sup>/ belting/kg food) 2 hours at 70 degrees C, repeat use

Compound	Test Simulant	Migration (mg/kg)	Mean mg/kg	EU Limit (mg/kg)
Formaldehyde	10% ethanol	1.26, 1.14, 1.03	1.1	15
1,3,5-Trioxane	10% ethanol	<0.10, <0.10, <0.10	<0.10	5
Dioxolane	Calculated	N/A	N/A	5
Triethyleneglycol bis[3-(3-tert-butyl-4-hydroxy-5-methylphenyl) propionate]	Calculated	N/A	N/A	9
N,N'-Hexamethylene bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamide]	Calculated	N/A	N/A	45
Proprietary substance in acetal carrier	Carrier	N/A	N/A	6

**Dual Use Food Additives:**

No migratory dual use food additives (Regulation (EC) No. 1333/2008) or authorized food flavorings (Regulation (EC) No. 1334/2008) are used in the manufacture of the article.

**Colorant:** Colorants meet the requirements of the Council of Europe Resolution AP(89)1 for maximum level of heavy metals, primary aromatic amines, sulfonated aromatic amines and polychlorinated biphenyls.

**This Declaration was issued on 26-Jun-19. Updated statements will be provided if the declaration's validity is affected by changes in the information or regulatory requirements.**

Gloria Bowman, Product Stewardship Manager

**Intralox, L.L.C.**

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