



# COMPLIANCE REGULATIONS FOR MATERIALS INTENDED FOR FOOD CONTACT







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# **TECAPEEK® NATURAL**

FDA Compliance	Ensinger extrudes Victrex® 450G PEEK™ resin which complies with the compositional requirements of FDA regulations 21 CFR 177.2415 for repeat contact with food.
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Ensinger extrudes Victrex® 450G PEEK™ Natural resin which complies with the criteria of 3-A® Sanitary Standards for Multiple-Use Plastic Materials Number 20-20
EU Compliance	Yes, contact Plastics International for more Information

#### **TECAPEEK® BLACK**

FDA Compliance	Ensinger extrudes Victrex® 450G PEEK™ black resin which complies with the compositional requirements of FDA regulations 21 CFR 177.2415 for repeat contact with food
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Not tested
EU Compliance	Contact Plastics International

#### **TECAPEI® NATURAL**

FDA Compliance	Ensinger extrudes Sabic Innovative Polymers™ Ultem® 1000 series natural which complies with FDA regulations 21 CFR 177.1595 for all food types under Conditions of Use A through H in Table 2 of 21 CFR 176.170 (c)
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Sabic Innovative Polymers™ Ultem® 1000 series natural are NSF 51 listed for all food types up to a temperature of 375° F
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Not tested
EU Compliance	Yes, contact Plastics International for more information



#### **TECAPEI® BLACK**

FDA Compliance	Ensinger extrudes Sabic Innovative Polymers™ Ultem® 1000 series black which complies with FDA regulations 21 CFR 177.1595 for all food types under Conditions of Use A through H in Table 2 of 21 CFR 176.170 (c)
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Not tested
EU Compliance	Yes, contact Plastics International for more Information

#### **TECASON® P NATURAL PPSU**

FDA Compliance	Ensinger uses resins which comply with FDA regulation 21 CFR177.3297
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Not tested
EU Compliance	Contact Plastics International

#### **TECASON® S NATURAL POLYSULFONE**

FDA Compliance	Resins used complies with FDA regulations 21 CFR 177.1655 for food contact applications for repeated use under conditions A through H in Table 2 of 21 CFR 176.170 (c).
USDA	No
NSF 51 Food Equipment Materials	Natural grade of resin complies with NSF 51 for Food Zone. Maximum Temperature of Use 300 F
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Yes
EU Compliance	Contact Plastics International



#### **DELRIN® FG150 NATURAL**

FDA Compliance	Ensinger extrudes DuPont™ Delrin® FG150 Natural resin which complies with FDA regulations 21 CFR177.2480 for food contact applications for repeated use for all food types except those containing more than 8% alcohol, up to 212° F contact temperature.
USDA	Since DuPont™ Delrin® FG150 Natural resin complies with the FDA regulation 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
NSF 51 Food Equipment Materials	DuPont™ Delrin® FG150 Natural resin is listed under NSF 51 with the following foods up to a temperature of 150° F: alcohol less than or equal to 8%, aqueous acidic, aqueous non-acidic, bakery products with free fats and oils on surface, bakery products with no free fats or oils on surface, dairy oil in water emulsions, dairy water in oil emulsions, dry solids, oils and fats
NSF 61 Drinking Water System Components	DuPont™ Delrin® FG150 Natural resin is listed under NSF 61 (end use A cold and hot water contact) for articles with a maximum surface area to volume ratio of 60 sq in/L.
3-A Dairy	DuPont™ Delrin® FG150 Natural resin complies with the criteria of 3-A® Sanitary Standards for Multiple-Use Plastic Materials Number 20-25 under the Generic Class of polyoxymethylene homopolymer (21 CFR 177.2480)
EU Compliance	Contact Plastics International for more information

# **DELRIN® FG 511P NATURAL**

FDA Compliance	DuPont™ Delrin® FG511P Natural resin complies with FDA regulations 21 CFR177.2480 for food contact applications for repeated use for all food types except those containing more than 8% alcohol, up to 212° F contact temperature.
USDA	Since DuPont™ Delrin® FG511P Natural complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Not tested
EU Compliance	Yes, contact Plastics International for more information



#### **TECAFORM® NATURAL**

FDA Compliance	Resins used in Natural grade comply with FDA regulations 21 CFR 177.2470 all types of food for repeat use under conditions A through H in Table 2 of 21 CFR 175.300(d). (material cannot be used with food containing > 15% alcohol)
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Resins used in Natural grade comply with NSF 51 with all foods up to 212° F (material cannot be used with food containing > 15% alcohol).
NSF 61 Drinking Water System Components	Resins used in Natural grade comply with NSF 51 (End use A, F cold and hot water contact) Maximum surface area to volume ratio of 125 sq in./L
3-A Dairy	Material is 3-A diary compliant
EU Compliance	Contact Plastics International

#### **TECAFORM® BLACK**

FDA Compliance	Resins used in black grade comply with FDA regulations 21 CFR 177.2470 all types of food for repeat use under conditions A through H in Table 2 of 21 CFR 176.170 (c). (material cannot be used with food containing > 15% alcohol).
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Resins used in black grade comply with NSF 51 with all foods up to 212° F (material cannot be used with food containing > 15% alcohol)
NSF 61 Drinking Water System Components	Resins used in black grade comply with NSF 51 (End use A, F cold and hot water contact) Maximum surface area to volume ratio of 125 sq in./L
3-A Dairy	Not tested
EU Compliance	Contact Plastics International

#### **TECAFORM® FG BLUE**

FDA Compliance	Resins used in black grade comply with FDA regulations 21 CFR 177.2470 all types of food for repeat use under conditions A through H in Table 2 of 21 CFR 176.170 (c). (material cannot be used with food containing > 15% alcohol)
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Not tested
EU Compliance	Contact Plastics International



#### **TECAFORM® UD BLUE**

FDA Compliance	This product meets the requirements of 21 CFR 177.2470 d(2)i, ii, subject to the limitations of e (2)
USDA	Since the resins comply with the FDA regulation it should be chemically acceptable to the USDA for repeat use applications in slaughter, processing, transporting, and storage areas in direct contact with meat or poultry products
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Product complies with 3-A Sanitary Standard Multiple-Use Plastics Number 20-25
EU Compliance	Contact Plastics International

#### **TECAFORM® HPV-13**

FDA Compliance	The resins used to manufacture this product comply with US FDA regulation 21 CFR177.2480 and may be used as articles or components of articles intended for contact on a repeated use basis, for all food types except those containing more than 15% alcohol, up to 65 deg C contact temperature.
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Not tested
EU Compliance	Yes, contact Plastics International

#### **TECAFORM® AH-ID BLUE**

FDA Compliance	The base resin complies with 21 CFR 177.2470) with limitations. Limitations: Types of food: All types of food except foods containing 15% or more alcohol. Conditions of use: Use temperature shall not exceed 250 F per 21 CFR 177.2470 Application: Repeat use articles only per 21 CFR 177.2470
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Not tested
EU Compliance	Contact Plastics International



#### **TECAFORM® AH-ID GRAY**

FDA Compliance	The base resin complies with 21 CFR 177.2470) with limitations Limitations: Types of food: All types of food except foods containing 15% or more alcohol Conditions of use: Use temperature shall not exceed 250 F per 21 CFR 177.2470 Application: Repeat use articles only per 21 CFR 177.2470
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Tecaform AH-ID complies with the criteria of 3-A® Sanitary Standards for Multiple-Use Plastic Materials Number 20-25 under the Generic Class of polyoxymethylene copolymer (21 CFR 177.2470) with limitations under Section H of those standards. Limitations: Types of food: All types of food except foods containing 15% or more alcohol. Conditions of use: Use temperature shall not exceed 250 F per 21 CFR 177.2470 Application: Repeat use articles only per 21 CFR 177.2470.
EU Compliance	Contact Plastics International

# **TECAMID® 66 NATURAL**

FDA Compliance	The nylon 66 base resins used to manufacture this product comply with FDA regulation 21CFR177.1500 and may be used to produce articles or components of articles intended for use in processing, handling ,and packaging of food up to 475° F for all food types
USDA	Since the resins comply with the FDA regulation it should be chemically acceptable to the USDA for repeat use applications in slaughter, processing, transporting, and storage areas in direct contact with meat or poultry products
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	The nylon 66 base resin complies with NSF 61 (end use A, F cold and hot water contact) for articles with a maximum surface area to volume ratio of 130 sq in/L.
3-A Dairy	The base resin comply with the criteria in 3-A Sanitary Standards for Multiple-Use Plastic Materials, Number 20-25, under the Generic Class of Nylon (21 CFR 177.1500) Nylon Type 66
EU Compliance	Yes, contact Plastics International for details



#### **TECAPET® NATURAL**

FDA Compliance	Ensinger extrudes resins which comply with FDA regulation 21 CFR177.1630
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	No
NSF 61 Drinking Water System Components	No
3-A Dairy	Yes
EU Compliance	Contact Plastics International

# **HYDEX® 4101 NATURAL**

FDA Compliance	Resin used in Natural Grade complies with FDA regulations for all food types with no restrictions on conditions of use per 21 CFR 177.1660 for repeat use articles only
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Yes
EU Compliance	Contact Plastics International

#### **HYDEX® 4101L NATURAL**

FDA Compliance	Resins used in this product comply with FDA regulations in 21 CFR 177.1660. Only such adjuvants or minor modifiers have been employed as are permitted by this regulation, or meet one or more of the following criteria: (1) are generally recognized as safe (GRAS), 21 CFR Part 182 and 184; (2) are used in accordance with prior sanctions or approvals, 21 CFR Part 181; (3) are permitted for such use by applicable regulations in parts 170 through 189 of this chapter. This product may be used for repeat-use applications in contact with all food types under conditions A through H in Table 2 of 21 CFR 176.170 (c).
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Yes
EU Compliance	Contact Plastics International



#### **TECANAT® NATURAL**

FDA Compliance	Ensinger extrudes resins which comply with FDA regulations 21CFR177.1580
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Not tested
EU Compliance	Contact Plastics International

#### **TECANAT® BLACK**

FDA Compliance	Ensinger extrudes resins which comply with FDA regulations 21CFR177.1580
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Not tested
EU Compliance	Contact Plastics International

#### **TECAFLON® PVDF NATURAL**

FDA Compliance	The following applications of the subject product can be said to fully comply with the US Federal Food, Drug and Cosmetic Act and all applicable food additive regulations subject to any limitations provided herein. 21 CFR Sec. 177.2510(a) Polyvinylidene flouride resins articles intended for repeated use
USDA	Since the resin used to extrude this product complies with the FDA regulation 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
NSF 51 Food Equipment Materials	Resin used to manufacture Tecaflon® PVDF is NSF 51 listed for all food contact types up to a Maximum Use Temperature of 260° F
NSF 61 Drinking Water System Components	Resin used to manufacture Tecaflon® PVDF is NSF 61 listed for applications up with a maximum surface area to volume ratio of 500 sq. in./L in hot water up to 180° F. End use applications A – Appurtenances other than pipe or fittings, P- Pipes, F - Fittings
3-A Dairy	Not tested
EU Compliance	Contact Plastics International



#### **KYNAR® 740 PVDF NATURAL**

FDA Compliance	US FDA Food Packaging: The following applications of the subject product can be said to fully comply with the US Federal Food, Drug and Cosmetic Act and all applicable food additive regulations subject to any limitations provided herein. 21 CFR Sec. 177.2510(a) Polyvinylidene flouride resins articles intended for repeated use
USDA	Continuing Guaranty Sec. 303(c)(2) of The Federal Food, Drug, and Cosmetic Act Each shipment or other delivery hereafter made by Arkema, Inc., whose address is 900 First Ave, King of Prussia, PA 19406 for the referenced product, is hereby guaranteed, as of the date of such shipment or delivery, to be on such date, not adulterated or misbranded within the meaning of the Federal, Food, Drug and Cosmetic Act, and not an article which may not, under the provisions of Section 404, 409, 505, or 706 of the Act, be introduced into interstate commerce; provided, however, that this guaranty shall be of no effect if your use of such products is not authorized by and in accordance with the provisions of the Federal, Food, Drug and Cosmetic Act. This guaranty is in like terms extended and shall be applicable to any state law or municipal ordinance in which the definitions and official interpretation of adulteration or misbranding are substantially the same as those in the Federal Food, Drug and Cosmetic Act. This guaranty is not assignable and is given solely for the purpose of Section 303 (c)(2) of the Federal Food, Drug and Cosmetic Act. By acceptance of this guaranty, the above named holder agrees to promptly notify the undersigned in writing, within ten (10) days, of any demand, compliant, or proceeding for a claimed violation of the above-mentioned Federal Act or state act, give the name and address of the complaining party and the product concerned. Unless such notice is give within ten (10) days of such claim, demand or proceeding, the guaranty shall be of no effect.  This guaranty shall be binding for 1 year from the day hereof, unless sooner terminated by written notice.
NSF 51 Food Equipment Materials	Kynar 740 Natural is NSF 51 listed for all food types up to a Maximum Use Temperature of 250° F
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Not tested
EU Compliance	Contact Plastics International



#### **TECAFINE® PP NATURAL**

FDA Compliance	The base resin in this product meets the FDA requirements contained in the Code of Federal Regulations in 21 CFR 177.1520(a)(3)(i) and (c)3.2a. This product may contain adjuvant substances that may be safely used in polymers used for the manufacture of articles that come into direct contact with food. According to our information, all other substances used in this product meet the requirements of their respective FDA regulations and 21 CFR 177.1520(b). This product meets the FDA criteria in 21 CFR 177.1520 for food contact applications, including cooking, listed under conditions of use A through H in 21 CFR 176.170(c), Table 2 and can be used in contact with all food types as listed in 21 CFR 176.170(c), Table 1			
USDA	Since the resin used to extrude this product complies with the FDA regulation 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			
NSF 51 Food Equipment Materials	Not listed			
NSF 61 Drinking Water System Components	Not listed			
3-A Dairy	Not tested			
EU Compliance	Contact Plastics International			

# **TECAPRO® MT (WHITE, GRAY, BLACK)**

FDA Compliance	of Federal Regulations in 21 CFR 177.1520(a)(3)(i) and (c)3.2a. This product may contain adjuvant substances that may be safely used in polymers used for the manufacture of articles that come into direct contact with food. According to our information, all other substances used in this product meet the requirements of their respective FDA regulations and 21 CFR 177.1520(b). This product meets the FDA criteria in 21 CFR 177.1520 for food contact applications, including cooking, listed under conditions of use A through H in 21 CFR 176.170(c), Table 2 and can be used in contact with all food types as listed in 21 CFR 176.170(c), Table 1 Colorants used in compound comply with 21 CFR178.3297			
USDA				
NSF 51 Food Equipment Materials	Not listed			
NSF 61 Drinking Water System Components	Not listed			
3-A Dairy	Not tested			
EU Compliance	Contact Plastics International			

The base resin in this product meets the FDA requirements contained in the Code



#### **TECAFINE® HDPE NATURAL**

FDA Compliance	The base resin in this product meets the FDA requirements contained in the Code of Federal Regulations in 21 CFR 177.1520(a)(3)(i) and (c)3.2a. This product may contain adjuvant substances that may be safely used in polymers used for the manufacture of articles that come into direct contact with food. According to our information, all other substances used in this product meet the requirements of their respective FDA regulations and 21 CFR 177.1520(b). This product may only be used in conditions of use B-H and temperatures at or below 212° F, as described in Table 2 ir 176.170(c).		
USDA	Since the resin used to extrude this product complies with the FDA regulation 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.		
NSF 51 Food Equipment Materials	Not listed		
NSF 61 Drinking Water System Components	Not listed		
3-A Dairy	Not tested		
EU Compliance	Yes, Contact Plastics International for details		

#### **TECARAN® ABS NATURAL**

FDA Compliance	Ensinger extrudes resins which comply with FDA regulations 21CFR181.32	
USDA	No	
NSF 51 Food Equipment Materials	Not listed	
NSF 61 Drinking Water System Components	Not listed	
3-A Dairy	Not tested	
EU Compliance	Contact Plastics International	

# **TECARAN® ABS BLACK**

FDA Compliance	Ensinger extrudes resins which comply with FDA regulations 21CFR181.32
USDA	No
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Not tested
EU Compliance	Contact Plastics International



#### **UHMW NATURAL**

FDA Compliance	Yes
USDA	Yes
NSF 51 Food Equipment Materials	Not listed
NSF 61 Drinking Water System Components	Not listed
3-A Dairy	Yes
EU Compliance	Contact Plastics International



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