

DuPont™ Delrin® Acetal Homopolymer Resin Food Contact and Water Contact Portfolio

DuPont™ has years of experience of providing resins for use in a variety of food contact and potable water applications.

The company offers a comprehensive range of Delrin® Acetal Homopolymer resins optimized specifically for components that come into contact with potable water and food.

These resins meet the requirements of various regulatory standards including Food Contact compliance (FG), as well as suitability for contact with potable water according to NSF 61, WRAS (Water Regulations Advisory Scheme), ACS (Attestation de conformité sanitaire), KTW (Kunststoffe im Trinkwasser) as well as W270 standards. They are produced according to good manufacturing practice (GMP).

These resins have been used in product applications including pumps, filtration components, sanitary, in-line heaters, fixtures and tanks, as well as kitchenware, food packaging and food processing.

See below information on drinking water certifications :



Features

- Excellent performance and durability
- High mechanical strength and stiffness
- High fatigue resistance and toughness over a wide temperature range, in particular at low temperature
- Excellent creep resistance and dimensional stability.

Benefits

- Cost reduction and longer lifetime
- Improved sustainability
- Expanded freedom to design complex parts through higher mechanical properties
- Regulatory support for faster part qualification.

Agency/Standard	WRAS UK	ACS France	KTW Germany	W270 Germany	NSF 61 USA
Regulatory process for customer PARTS:					
Resin approval required for parts approval	No	No	No	No	No
DuPont can disclose resin composition to Agency to support customer parts submittal	Yes	Yes	Yes	Yes	Yes
Regulatory process for RESINS: DuPont submission of molded plates/plaques to the Agencies for testing					
Food Contact suitability required:					
EU: 10/2011	No	Yes	Yes	Yes	N/A
US: FDA	N/A	N/A	N/A	N/A	No
Approval duration	5 Yrs	5 Yrs	5 Yrs	5 Yrs	1 Yr
Resin listing in the public domain	Yes	Yes	No	No	Yes
Agency Link	www.wras.co.uk	https://solidarites-sante.gouv.fr	N/A	N/A	https://info.nsf.org



Mobility and Materials

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Visit us at: delrin.dupont.com

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Small appliances

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Kitchenware and Consumer

Photo by Jacek Dylag on Unsplash



Water management: faucets

		Food contact			Water contact						
		FDA	EU 10/2011	GMP (EC) 2023/2006	NSF 61		WRAS		ACS	KTW	DVGW
					23°C	82°C	23°C	85°C	23-85°C	23°C	W270
High performance grades, with best combination of toughness and stiffness	Delrin® FG150										
	Delrin® FG100										
	Delrin® FG100P										
	Delrin® FG500										
	Delrin® FG500P										
	Delrin® FG900P										
Enhanced crystallization for faster cycle times and high fatigue/creep	Delrin® FG111DP										
	Delrin® FG311DP										
	Delrin® FG511DP										
	Delrin® FG911DP										
PTFE lubricated	Delrin® FG100TL										
	Delrin® FG500TL										
Advanced lubrication	Delrin® FG311SLF										
	Delrin® FG500AL										