Sell Sheet

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

DuPont has years of experience in 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.

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

See below information on drinking water certifications:

Agency/Standard	WRAS	ACS	KTW	W270	NSF 61
	UK	France	Germany	Germany	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

Source: DuPont

Small appliances

Kitchenware and Consumer

Water management: faucets

Portfolio Category	Product	Food Contact			Potable Water Contact						
		FDA	EU10/2011	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 viscosity acetal homopolymer specifically designed for extrusion processes	Delrin® FG150	■	■	■	■	■					
High performance with best combination of toughness and impact strength; flow from high to low viscosity	Delrin® FG100 Delrin® RAFG100*	■	■	■	■	■	■	■	■	■	■
	Delrin® FG100P	■	■	■	■	■	■				
	Delrin® FG500	■	■	■	■	■					
	Delrin® FG500P Delrin® RAFG500P*	■	■	■	■	■	■				
	Delrin® FG900P	■	■	■							
Enhanced crystallization technology for faster cycle times, excellent creep and fatigue resistance, and dimensional stability; flow from high to low viscosity	Delrin® FG111DP	■	■	■							
	Delrin® FG311DP	■	■	■							
	Delrin® FG511DP Delrin® RAFG511DP*	■	■	■	■	■	■	■			
	Delrin® FG911DP	■	■	■	■	■	■				
PTFE lubricated with low wear and low friction	Delrin® FG100TL	■	■	■							
	Delrin® FG500TL	■	■	■							
Advanced lubrication designed for low wear & low friction over time and low noise	Delrin® FG311SLF	■	■	■							
	Delrin® FG500AL	■	■	■							

* Delrin® Renewable Attributed for lower Global Warming Potential

Source: DuPont

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